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Canada

CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle
Commissioner of Patents

Johanne Bélisle
Commissaire aux brevets

The Canadian Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Gatineau, Canada, to whom all communications should be addressed.

La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Gatineau, Canada, à qui doit être adressée toute correspondance.

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Table of Contents
Table des matières

Notices
Avis 1

Canadian Patents Issued
Brevets canadiens délivrés 25

Canadian Applications Open to Public Inspection
Demandes canadiennes mises à la disponibilité du public 67

PCT Applications Entering the National Phase
Demandes PCT entrant en phase nationale 82

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection
Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant 202

Index of Canadian Patents Issued
Index des brevets canadiens délivrés 214

Index of Canadian Applications Open to Public Inspection
Index des demandes canadiennes mises à la disponibilité du public 222

Index of PCT Applications Entering the National Phase
Index des demandes PCT entrant en phase nationale 225

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection
Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant 246

Notices

1. Dates and Code Numerals Appearing in Patent Headings

Dates
All dates appearing in the patent headings of this publication follow the form recommended by the International Standards Organization. The four digits on the left represent the years followed by two digits each for the months and the days. For example, January 02, 1999 will be shown as 1999-01-02.

Code Numerals
The numerals within the brackets in the patent headings are INID codes. "INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". These codes are utilized to identify patent bibliography as recommended by the Permanent Committee on Industrial Property Information (PCIPI) under the administration of the World Intellectual Property Organization (WIPO) based in Geneva, Switzerland.

The INID Codes and their corresponding definitions of bibliographic data elements are as follows:

[11] - Number of Patent document
[13] - Kind-of-document code
[21] - Number assigned to the Application
[22] - Date of Filing Application or
[22] - Date of filing of related divisional application
[25] - Language in which the published application was originally filed
[30] - Data relating to priority under the Paris Convention

[41] - Open to Public Inspection Date
[45] - Date of Issue
[48] - Correction Date (Re-Issued, Re-Examined)
[51] - International Classification
[52] - Domestic Classification
[54] - Title of Invention
[60] - Related by Supplementary Disclosure
[62] - Related by Division
[64] - Related by Reissue
[71] - Name(s) of Applicant(s)
[72] - Name(s) of Inventor(s)
[73] - Name(s) of Grantee(s)
[85] - National Entry Date
[86] - PCT International Filing Data
[87] - PCT International Publication data

Avis

1. Dates et chiffres de code figurant à l'entête des brevets

Dates
Toutes dates figurant aux entêtes des brevets de cette publication suivent la forme recommandée par l'Organisation des normes internationales. Les quatre chiffres de gauche représentent les années et sont suivis, vers la droite, de deux autres chiffres chacun, pour les mois et les jours. Le 2 janvier 1999, par exemple, sera représenté par 1999-01-02.

Chiffres de code
Les chiffres à l'intérieur des parenthèses aux entêtes des brevets sont des codes INID. Le sigle « INID » signifie « Identification numérique internationale des données bibliographiques » Ces codes sont utilisés pour l'indentification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), sise à Genève, Suisse.

Les codes INID accompagnés des définitions des données bibliographiques correspondantes sont comme suit :

[11] - Numéro du brevet
[13] - Désignation du type de document
[21] - Numéro attribué à la demande
[22] - Date du dépôt de la demande ou
[22] - Date du dépôt de la demande divisionnaire apparentée
[25] - Langue dans laquelle la demande publiée a été initialement déposée
[30] - Données relatives à la priorité selon la Convention de Paris
[41] - Date de mise à la disponibilité du public
[45] - Date de délivrance
[48] - Date de correction (Redélivrance, Réexamen)
[51] - Classification internationale
[52] - Classification nationale
[54] - Titre de l'invention
[60] - Apparenté par divulgation supplémentaire
[62] - Apparenté par division
[64] - Apparenté par redélivrance
[71] - Nom(s) du (des) demandeur(s)
[72] - Nom(s) de(s) l'inventeur(s)
[73] - Nom(s) du (des) titulaire(s)
[85] - Date d'entrée en phase nationale
[86] - Données du dépôt international selon le PCT
[87] - Données de publication internationale selon le PCT

2. Country Code

The Country Codes appearing in this publication conform to those contained in annex A of the *Handbook on Industrial Property Information and Documentation* published by the World Intellectual Property Organization (WIPO). This document is accessible from a link entitled Standards ST-3 on the List of WIPO Standards, Recommendations and Guidelines (Abbreviated Titles) located on the WIPO Web site: (www.wipo.int/scit/en/standards/standards.htm).

2. Code des pays

Les Codes des pays qui se trouvent dans cette publication sont conformes à ceux dans l'annexe A du *Manuel sur l'information et la documentation en matière de propriété industrielle* publié par l'Organisation Mondiale de la Propriété Intellectuelle (OMPI). Ce document est accessible à partir de l'hyperlien intitulé Normes ST-3 dans la Liste des normes, recommandations et principes directeurs de l'OMPI (Titres abrégés) qui se trouve au site Web de l'OMPI: (www.wipo.int/scit/fr/standards/standards.htm).

3. How to Purchase Paper Copies of Canadian Patents and Canadian Applications Open to Public Inspection

Paper copies of all other Canadian Patents and Canadian applications open to public inspection may be purchased at the cost of $1 per page by visiting (www.strategis.ic.gc.ca/patentsorder) or by writing to the Commissioner of Patents, Ottawa-Gatineau, K1A 0C9.

Item 25.1* On requesting copy in electronic form of a document:	N/A
a) for each request	$10
b) plus, for each patent or application to which the request relates	$10
c) plus, if the copy is requested on a physical medium, for each physical medium requested in addition to the first	$10
d) plus, for each additional 10 megabytes or part of them exceeding 7 megabytes	$10

3. Comment acheter des copies sur papier de brevets canadiens et de demandes canadiennes mises à la disponibilité du public

Les copies sur papier de tous les autres brevets canadiens et des demandes canadiennes mises à la disponibilité du public peuvent être achetées au coût de 1 $ par page en visitant notre site Web (www.strategis.ic.gc.ca/brevetscommande) ou en écrivant au Commissaire aux brevets, Ottawa-Gatineau, K1A 0C9.

Article 25.1* Demande d'une copie d'un document sous forme électronique :	S.O.
a) pour chaque demande	10 $
b) pour chaque demande de brevet ou brevet visé par la demande	10 $
c) dans le cas où le document doit être copié sur plus d'un support matériel, pour chaque support matériel additionnel	10 $
d) pour chaque tranche de 10 méga-octets qui excède 7 méga-octets, l'excédant étant arrondi au multiple supérieur	10 $

4. Orders for Patents by Class or Sub-Class

A listing of all patents that have issued in each class or sub-class including both patents in force and expired patents, may be ordered at a price of $1 per page from the Patent Office.

4. Commande de brevets par classe ou sous-classe

Les listes de brevets délivrés dans chaque classe ou sous-classe, incluant les brevets en vigueur et ceux ayant expiré, peuvent être commandées auprès du Bureau des brevets au prix de 1 $ la page.

5. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit upon request from the Commissioner of Patents, Ottawa-Gatineau, Canada K1A 0C9. It is recommended that applicants make use of the services of a registered Patent Agent. A list of Patent Agents in any area of Canada will also be supplied upon request.

5. Conseils relatifs à la préparation de demandes de brevets

Toute personne qui a l'intention de déposer une demande de brevet peut obtenir une trousse d'information sur demande faite au Commissaire aux brevets, Ottawa-Gatineau, Canada K1A 0C9. On recommande aux demandeurs d'avoir recours aux services d'un agent de brevets inscrit au registre. Une liste des agents de brevets dans n'importe quelle région du Canada sera également fournie sur demande.

6. Licensing of Patents

Voluntary Licences
Persons desiring to use, make or sell an invention patented in Canada should negotiate terms with the patent owner. The address of the patentee may be obtained by writing to the Commissioner of Patents, Ottawa-Gatineau, Canada, K1A 0C9. If a voluntary licence cannot be arranged, a compulsory licence may be possible.

Compulsory Licences
Three years after a patent has been granted, one may request a compulsory licence to use the patent if there has been an abuse of the exclusive right. See Sections 65 to 71 of the *Patent Act*. Applications for a compulsory licence are made to the Commissioner of Patents.

6. Octroi de licences en vertu des brevets

Licences librement accordées
Les personnes désirant utiliser, fabriquer ou vendre une invention brevetée au Canada doivent en négocier les conditions avec le titulaire du brevet. L'adresse du titulaire peut être obtenue en écrivant au Commissaire aux brevets, Ottawa-Gatineau, Canada, K1A 0C9. S'il est impossible d'obtenir une licence résultant d'un libre accord, il est peut être possible d'obtenir une licence obligatoire.

Licences obligatoires
Il est possible de faire la demande d'une licence obligatoire trois ans après l'octroi d'un brevet si les droits exclusifs qui en dérivent ont donné lieu à un abus. Voir les articles 65 à 71 de la *Loi sur les brevets*. Les demandes de licence obligatoire doivent être présentées au Commissaire aux brevets.

7. Patents Available for Licence or Sale

An asterisk (*) placed beside any patent listed in this issue of the *Canadian Patent Office Record* indicates that as of the date of grant the said patent is available for licence or sale. These and other patents now made available for licensing are included in the listing in part 8 of these notices.

7. Brevets disponibles pour licence ou vente

Un astérisque (*) marqué à côté de tout brevet inscrit dans le présent numéro de la *Gazette du bureau des brevets*, signale qu'à compter de la date de la présente publication, ledit brevet est disponible pour octroi de licence ou vente. Une liste de ces brevets et d'autres mis en disponibilité pour octroi de licence, est publiée au no. 8 des présents avis.

8. List of Patents Available for Licence or Sale

The following Canadian patents have been made available this week for sale or licensing:

2,914,598 (Published October 24, 2017)

8. Liste des brevets disponibles pour octroi de licence ou vente

Les brevets canadiens suivants ont été mis en disponibilité cette semaine pour vente ou octroi de licence :

2,914,598 (Publié le 24 octobre 2017)

9. Applications Open to Public Inspection

All patent applications filed since October 1, 1989 and documents filed in connection therewith are open to public inspection at the Patent Office after the expiration of a confidentiality period of eighteen months beginning on the filing date of the application, or where a request for priority has been made in respect to the application, beginning on the priority date claimed. An application may become open to public inspection sooner at the request or with the approval of the applicant (Section 10(2) of the *Patent Act*). However, an application shall not be open for public inspection if it is withdrawn within the time set out in Section 92 of the *Patent Rules*. This time limit is two months before the expiry of the confidentiality period or where the Commissioner is able to stop technical preparations to open the application to the public at a subsequent date.

9. Demandes mises à la disponibilité du public

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposés au Bureau des brevets depuis le 1er octobre 1989, peuvent y être consultées après l'expiration de la période de confidentialité de dix-huit mois à compter de la date de dépôt de la demande de brevet ou, si une demande de priorité a été présentée à l'égard de celle-ci, de la date de dépôt sur laquelle la demande de priorité est fondée. Une demande de brevet peut être consultée avant l'expiration de la période, à la requête ou sur autorisation du demandeur (article 10(2) de la *Loi sur les brevets*). Toutefois, une demande de brevet ne pourra être consultée si celle-ci est retirée à l'intérieur du délai prévu à l'article 92 des *Règles sur les brevets*. Le délai prévu est de deux mois précédant la date d'expiration de la période de confidentialité ou, lorsque le commissaire est en mesure, à une date ultérieure, d'arrêter les préparatifs techniques en vue de la consultation de cette demande.

10. Language of Published Documents

When ordering a published patent, please note that the language of the document can be identified by the language code (INID [25]) EN (English) or FR (French).

10. Langue du document publié

Toute personne intéressée à obtenir une copie d'un brevet publié doit prendre note que les codes suivants EN (Anglais) ou FR (Français) représentent (INID [25]) la langue de la copie du brevet publié.

11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After January 1, 2017

1.	**Transmittal Fee** (Rule 14)	**$300**
2.	**International Filing Fee**	**$1792***
	For each additional sheet over 30	**$20**
3.	**International Search Fee**	**$1600**

The above mentioned fees are due at time of filing of the international application, or within one month from the international filing date (date of receipt of the international application by the receiving office). These fees are to be paid in Canadian dollars and cheques should be made payable to the Receiver General for Canada.

If the fees are not paid within one month from the international filing date, the receiving office shall invite the applicant to pay the amount required, together with a late payment fee under

11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 1 janvier 2017

1.	**Taxe de transmission** (Règle 14)	**300 $**
2.	**Taxe de dépôt internationale**	**1792 $***
	Pour chaque feuille au delà de 30	**20 $**
3.	**Taxe de recherche internationale**	**1600 $**

Les taxes mentionnées ci-haut sont payables au moment du dépôt de la demande internationale, ou dans un délai d'un mois à compter de la date de dépôt international, (soit la date de réception de la demande internationale par l'office récepteur). Les taxes doivent être payées en dollars canadiens et les chèques sont payables au receveur général du Canada.

Si les taxes n'ont pas été payées dans un délai d'un mois à compter de la date de dépôt international, l'office récepteur invitera le demandeur à payer le montant dû, accompagné de la

Rule 16bis.2, within one month from the date of the invitation. Failure to pay the fees will result in the withdrawal of the application by the receiving office.

4. Late payment fee
50% of the fees that are due, or,
Minimum: Transmittal fee
Maximum: 50% of the international filing fee

Preliminary Examination

5. **Handling fee** (Rule 57.2(*a*)) **$269**

6. Preliminary examination fee (Rule 58) **$800**

* International fees will be reduced by:

- **$269** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **$404** for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

taxe pour le paiement tardif visée à la règle 16bis.2, dans un délai d'un mois à compter de l'invitation. Si vous omettez de payer les taxes, l'office récepteur retirera votre demande.

4. Taxe pour paiement tardif
50% du montant impayé, ou,
Minimum : taxe de transmission
Maximum : 50% de la taxe de dépôt international

Examen préliminaire

5. Taxe de traitement (Règle 57.2*a*)) **269 $**

6. Taxe d'examen préliminaire (Règle 58) **800 $**

* Les frais seront réduits de:

- **269 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **404 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

12. PCT Notices

Patent Cooperation Treaty (PCT)

Copies of the *Patent Cooperation Treaty Applicants Guide* and the *Patent Cooperation Treaty & Regulations* are available from WIPO - World Intellectual Property Organization at a cost of 200 Swiss Francs and 18 Swiss Francs, respectively.

Those wishing for further information including prices for both previous and current subscriptions should contact WIPO at:

Information Products Section
Post Office Box 18
1211 Geneva 20 Switzerland
Telephone (011 41 22) 338-9618
Facsimile (011 41 22) 740-1812

or by "E-mail" (**publications.mail@wipo.int**) or visit their Web site (**www.wipo.int**).

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

Des copies du *Guide du déposant du PCT* ainsi que du *Traité et des Règlements* sont disponibles auprès de l'OMPI - Organisation mondiale de la propriété intellectuelle au coût de 200 francs suisses et 18 francs suisses, respectivement.

Les personnes qui désirent obtenir de plus amples renseignements, notamment sur le prix des abonnements antérieurs et courants, sont priées de s'adresser directement à :

l'OMPI à la Section des produits d'information
Boîte postale 18
1211 Genève 20 Suisse
Téléphone (011 41 22) 338-9618
Télécopieur (011 41 22) 740-1812

ou par courriel (**publications.mail@wipo.int**) ou visiter leur site Web (**www.wipo.int**).

13. Practice Notice

LIMITED PARTNERSHIPS CAN BE ENTERED ON THE REGISTER OF AGENTS AND ON THE LIST OF TRADE-MARK AGENTS

Note: *This practice notice is intended to provide guidance on current Patent and Trade-marks Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

The Patent Office and the Trade-marks Office (hereinafter jointly referred to as "the Offices") have been receiving inquiries as to whether limited partnerships are entitled to act as patent and trade-mark agents before the Offices.

With respect to the register of patent agents, section 15 of the *Patent Act* provides that a register of patent agents shall be kept in the Patent Office on which shall be entered the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for patents or in other business before the Patent Office. Section 2 of the *Patent Rules* stipulates that the expression "patent agent" means any person or firm whose name is entered on the register of patent agents pursuant to section 15. Paragraph 15(c) of the *Patent Rules* provides that the Commissioner shall enter on the register of patent agents, on payment of the fee set out in item 33 of Schedule II, the name of **any firm, if the name of at least one member of the firm is entered on the register.**

With respect to the list of trade-mark agents, subsection 28(2) of the *Trade-marks Act* provides that the list of trade-mark agents shall include the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for the registration of a trade-mark or in other business before the Trade-marks Office. Paragraph 21(d) of the *Trade-mark Regulations* (1996) stipulates that the Registrar shall, on written request and payment of the fee set out in item 19 of the schedule, enter on a list of trade-mark agents the name of **any firm having the name of at least one of its members entered on the list as a trade-mark agent.**

Both the patent and trade-mark legislation therefore provide that firms may act as agents before the Offices, as long as one of their members is entered on the register or list of agents. It is generally recognised that the term "firm" includes partnerships, and the Offices have already allowed general partnerships and limited liability partnerships to be entered on the register or list of agents. The Offices consider that limited partnerships are also firms, and that they are entitled to act as agents before the

13. Énoncé de pratique

LES SOCIÉTÉS EN COMMANDITE PEUVENT ÊTRE INSCRITES AU REGISTRE DES AGENTS DE BREVETS ET SUR LA LISTE DES AGENTS DE MARQUES DE COMMERCE

Nota : *Le présent énoncé de pratique a pour but de préciser les pratiques actuelles du Bureau des brevets et du Bureau des marques de commerce et l'interprétation faite par ces derniers de certaines dispositions législatives. Toutefois, en cas de divergence entre le présent énoncé et la législation applicable, c'est la législation qui prévaudra.*

Le Bureau des brevets et le Bureau des marques de commerce (ci-après appelés conjointement « les Bureaux ») ont reçu des questions à savoir si les sociétés en commandite (en anglais « limited partnerships ») ont le droit d'agir en tant qu'agents de brevets et de marques de commerce auprès des Bureaux.

En ce qui concerne le registre des agents de brevets, l'article 15 de la *Loi sur les brevets* prévoit qu'un registre des agents de brevets est tenu au Bureau des brevets sur lequel sont inscrits les noms de toutes les personnes et entreprises ayant le droit de représenter les demandeurs dans la présentation et la poursuite des demandes de brevet ou dans toute autre affaire devant le Bureau des brevets. Aux termes de l'article 2 des *Règles sur les brevets*, « agent de brevets » s'entend de toute personne ou maison d'affaires dont le nom est inscrit au registre des agents de brevets aux termes de l'article 15. L'alinéa 15c) des *Règles sur les brevets* prévoit que le commissaire inscrit au registre des agents de brevets, moyennant paiement de la taxe prévue à l'article 33 de l'annexe II, le nom de **toute maison d'affaires dont le nom d'au moins un membre est inscrit au registre des agents de brevets**.

En ce qui concerne la liste des agents de marques de commerce, le paragraphe 28(2) de la *Loi sur les marques de commerce* prévoit que la liste des agents de marques de commerce comporte les noms des personnes et études habilitées à représenter les intéressés dans la présentation et la poursuite des demandes d'enregistrement des marques de commerce et de toute affaire devant le Bureau des marques de commerce. Aux termes de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996), le registraire, sur demande écrite et sur paiement du droit prévu à l'article 19 de l'annexe, inscrit sur la liste des agents de marques de commerce le nom de **toute firme dont le nom d'au moins un membre est inscrit sur la liste à titre d'agent de marques de commerce.**

La législation actuelle sur les brevets et celle sur les marques de commerce prévoient donc que des firmes peuvent agir en tant qu'agents auprès des Bureaux, à condition que l'un de leurs membres soit inscrit au registre ou à la liste des agents. Il est généralement admis que le terme « firme » inclut les sociétés (en anglais «partnerships ») et les Bureaux ont déjà autorisé des sociétés en nom collectif (en anglais « general partnerships») ainsi que des sociétés à responsabilité limitée

Offices.

(en anglais « limited liability partnerships ») à être inscrites au registre ou à la liste des agents. Les Bureaux considèrent que les sociétés en commandite sont aussi des firmes et qu'elles ont le droit d'agir en tant qu'agents auprès des Bureaux.

Therefore, commencing immediately, the Offices will enter upon request, on the register or list of agents, limited partnerships that otherwise meet the requirements set out in the patent and trade-mark legislation.

En conséquence, sur demande, les Bureaux inscriront désormais au registre, ou à la liste des agents, les sociétés en commandite qui répondent aux exigences de la *Loi sur les brevets et de la Loi sur les marques de commerce.*

The Offices, however, continue to consider that the current patent and trade-mark legislation do not allow corporations to be entered on the register or list of agents, since corporations do not have members and therefore cannot meet the requirements set out in paragraph 15(c) of the *Patent Rules* and paragraph 21(d) of the *Trade-mark Regulations* (1996).

Les Bureaux continuent toutefois de considérer que la législation actuelle sur les brevets et les marques de commerce ne permet pas aux compagnies (en anglais « corporations ») d'être inscrites au registre ou à la liste des agents, étant donné que les compagnies n'ont pas de membres et ne peuvent donc pas satisfaire aux exigences de l'alinéa 15c) des *Règles sur les brevets* et de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996).

14. Correspondence Procedures

June 20, 2017

1. Physical Delivery of Correspondence to CIPO
2. Electronic Correspondence
3. Details concerning the electronic formats accepted
4. General Information
5. Statutory Holidays
6. Procedures in case of an unexpected Office closure at CIPO
7. Procedures when CIPO is open for business but clients are unable to communicate with the Office
8. Intellectual property acts, rules and regulations

14. Procédures de correspondance

le 20 juin, 2017

1. Livraison en personne de correspondance à l'OPIC
2. Correspondance électronique
3. Précisions concernant les formats électroniques acceptés
4. Renseignements généraux
5. Jours fériés
6. Procédures en cas de fermeture des bureaux
7. Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture
8. Lois, règles et règlements sur la propriété intellectuelle

This notice will replace all previous notices regarding Correspondence Procedures.

Note: *This practice notice is intended to provide guidance on current Canadian Intellectual Property Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

Le présent avis remplacera tous les avis antérieurs relatifs aux procédures de correspondance.

Nota : *Le présent avis fournit une orientation concernant les pratiques et interprétations relatives aux lois pertinentes au sein de l'Office de la propriété intellectuelle du Canada. Toutefois, en cas d'incompatibilité entre cet avis et la législation applicable, c'est celle-ci qu'il faudra suivre.*

1. Physical Delivery of Correspondence to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, section 3 of the Trade-marks Regulations, section 2 of the Copyright Regulations, section 3 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the

1. Livraison en personne de correspondance à l'OPIC

Aux fins des articles 5 et 54 des Règles sur les brevets, de l'article 3 du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 3 du Règlement sur les dessins industriels et de l'article 3 du Règlement sur les topographies de circuits intégrés, l'adresse

Registrar of Trade-marks, the Copyright Office, the Industrial Design section of the Office of the Commissioner of Patents, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

Canadian Intellectual Property Office
Place du Portage I
50 Victoria Street, Room C-114
Gatineau QC K1A 0C9

Correspondence delivered to the above address during ordinary business hours 8:30 a.m. to 4:30 p.m. (local time) will be considered to be received on the date of delivery.

Please be advised that once correspondence is received by CIPO it cannot be returned to the sender, even if the sender states that the correspondence was sent by mistake. Exceptionally, in cases where correspondence is related to a patent application that does not meet the requirements under subsection 27.1(1) of the Patent Act for obtaining a filing date, the documents will be returned to the sender.

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted to CIPO that contains financial information, such as credit card numbers.

Download the Fee Payment Form.

du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, de la Section des dessins industriels du Bureau du commissaire aux brevets, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC » est la suivante :

Office de la propriété intellectuelle du Canada
Place du Portage I
50, rue Victoria, pièce C-114
Gatineau (Québec) K1A 0C9

La correspondance livrée à l'adresse ci-dessus lors des heures normales d'ouverture, soit de 8h30 à 16h30 (heure locale), sera considérée comme ayant été reçue la journée même de la livraison.

Veuillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, il ne peut pas la retourner à l'expéditeur, même si l'expéditeur indique que la correspondance a été envoyée par erreur. Exceptionnellement, dans le cas où la correspondance vise une demande de brevet ne satisfaisant pas aux exigences du paragraphe 27.1(1) de la Loi sur les brevets pour l'obtention d'une date de dépôt, les documents seront retournés à l'expéditeur.

Le formulaire de paiements devrait toujours être présenté comme page couverture et devrait être le seul document soumis à l'OPIC contenant de l'information financière telle que les numéros de carte de crédit.

Téléchargez le formulaire de paiements.

1.1 Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered **in person**:

1. Innovation, Science and Economic Development Canada
   C.D. Howe Building
   235 Queen Street, Room S-143
   Ottawa ON K1A 0H5
   Tel.: 343-291-3436

   8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

2. Innovation, Science and Economic Development Canada
   Sun Life Building
   1155 Metcalfe Street, Room 950
   Montreal QC H3B 2V6

1.1 Établissements désignés

Aux fins des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 3(4) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(4) du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les établissements ou bureaux désignés où peut être livrée **en personne** la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies sont les suivants :

1. Innovation, Sciences et Développement économique Canada
   Édifice C.D. Howe
   235, rue Queen, pièce S-143
   Ottawa (Ontario) K1A 0H5
   Tél. : 343-291-3436

   8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

2. Innovation, Sciences et Développement économique Canada
   Édifice Sun Life
   1155, rue Metcalfe, bureau 950
   Montréal (Québec) H3B 2V6

Tel.: 514-496-1797
Toll-free: 1-888-237-3037

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

3. Innovation, Science and Economic Development Canada
151 Yonge Street, 4th Floor
Toronto ON M5C 2W7
Tel.: 416-973-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

4. Innovation, Science and Economic Development Canada
Canada Place
9700 Jasper Avenue, Suite 725
Edmonton AB T5J 4C3
Tel.: 780-495-4782
Toll-free: 1-800-461-2646

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

5. Innovation, Science and Economic Development Canada
Library Square
300 West Georgia Street, Suite 2000
Vancouver BC V6B 6E1
Tel.: 604-666-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

Correspondence delivered, during ordinary business hours, to one of the designated establishments listed above, will be considered to be received on the date of delivery to that designated establishment, only if it is also a day on which CIPO is open for business. Correspondence delivered to a designated establishment on a day when CIPO is closed for business will be considered to be received on the next day on which CIPO is open for business. For example, correspondence delivered to the designated establishment in Toronto on June 24 will not be considered received on June 24 since CIPO is closed for business. The correspondence will be considered received on the next day CIPO is open for business.

Please note that documents delivered to the addresses listed above must be enclosed in a sealed envelope.

1.2. Registered Mail™ and Xpresspost™ services of Canada Post

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the Registered Mail™ and Xpresspost™ services of Canada Post are designated establishments or designated offices to which

Tél. : 514-496-1797
Sans frais : 1-888-237-3037

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

3. Innovation, Sciences et Développement économique Canada
151, rue Yonge, 4e étage
Toronto (Ontario) M5C 2W7
Tél. : 416-973-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

4. Innovation, Sciences et Développement économique Canada
Canada Place
9700, avenue Jasper, pièce 725
Edmonton (Alberta) T5J 4C3
Tél. : 780-495-4782
Sans frais : 1-800-461-2646

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

5. Innovation, Sciences et Développement économique Canada
Library Square
300, rue Georgia Ouest, pièce 2000
Vancouver (C.-B.) V6B 6E1
Tél. : 604-666-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

La correspondance livrée pendant les heures normales d'ouverture à l'un des établissements désignés susmentionnés sera réputée reçue à la date de livraison à cet établissement seulement si l'OPIC est ouvert au public à cette même date. Sinon, elle sera réputée avoir été reçue à la date du jour d'ouverture suivant de l'OPIC. Par exemple, la correspondance livrée à un établissement désigné à Toronto le 24 juin ne sera pas considérée comme ayant été reçue le 24 juin, puisque les bureaux de l'OPIC seront fermés. La correspondance sera considérée comme ayant été reçue lors de la prochaine journée ouvrable de l'OPIC.

Prendre note que les documents livrés aux adresses énumérées ci-dessus doivent être insérés dans une enveloppe scellée.

1.2. Services Courrier recommandé^MC et Xpresspost^MC de Postes Canada

Aux fins des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 3(4) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(4) du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les services Courrier recommandé^MC et Xpresspost^MC de Postes Canada sont des

correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

établissements ou des bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, au Registraire des marques de commerce, au Bureau du droit d'auteur ou au Registraire des topographies peut être livrée.

CIPO considers that correspondence delivered through the Registered Mail™ and Xpresspost™ services of Canada Post is received by CIPO on the day indicated on the mailing receipt provided by Canada Post, or if CIPO is closed for business on that day, on the day when CIPO is next open for business.

L'OPIC considère que la correspondance livrée par l'entremise des services Courrier recommandé[MC] et Xpresspost[MC] de Postes Canada sont reçus par l'OPIC le jour indiqué sur le reçu de confirmation émis par Postes Canada, ou si l'OPIC est fermé au public ce jour-là, le jour de la réouverture de l'OPIC.

2. Electronic Correspondence

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 3(6) of the Trade-marks Regulations, subsection 2(6) of the Copyright Regulations, subsection 3(6) of the Industrial Design Regulations, and subsection 3(6) of the Integrated Circuit Topography Regulations, correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent by facsimile, online or on an electronic medium only as provided in the current notice.

2. Correspondance électronique

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, du paragraphe 3(6) du Règlement sur les marques de commerce, du paragraphe 2(6) du Règlement sur le droit d'auteur, du paragraphe 3(6) du Règlement sur les dessins industriels et du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par télécopieur ou encore en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent avis.

In accordance with subsection 54(5) of the Patent Rules, the request for national entry is the only correspondence addressed to the Commissioner in respect of an international application that can be submitted online or on an electronic medium with the exception of sequence listings, applications prepared using the PCT-SAFE software or prepared using WIPO's ePCT online service as specified in the current notice. Other correspondence submitted online or on an electronic medium in respect of international applications that have not entered the national phase will not be accepted.

Conformément au paragraphe 54(5) des Règles sur les brevets, la demande d'entrée en phase nationale d'une demande internationale est la seule correspondance adressée au commissaire qui peut être présentée en ligne ou sur support électronique, à l'exception des listages de séquences, des demandes préparées à l'aide du logiciel PCT-SAFE ou préparées à l'aide du service en ligne ePCT de l'OMPI, tel qu'indiqué dans le présent avis. Toute autre correspondance présentée en ligne ou sur support électronique relativement à des demandes internationales qui ne sont pas entrées dans la phase nationale ne sera pas acceptée.

Subsection 3(9) of the Trade-marks Regulations specifies certain categories of correspondence to which the provisions of subsection 3(6) do not apply and which thus may not be sent by facsimile or online.

Le paragraphe 3(9) du Règlement sur les marques de commerce prévoit certaines catégories de correspondance auxquelles les dispositions du paragraphe 3(6) ne s'appliquent pas et qui, par conséquent, ne peuvent pas être envoyées par télécopieur ou en ligne.

Correspondence sent by facsimile or online to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies constitutes the original, therefore a duplicate paper copy should not be forwarded.

La correspondance envoyée par télécopieur ou en ligne au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies tient lieu d'original. Par conséquent, une copie sur support papier ne devrait pas être expédiée.

Correspondence delivered by electronic means of transmission, including facsimile, will be considered to be received on the day that it is transmitted if delivered and received before midnight, local time at CIPO on a day when CIPO is open for business. When CIPO is closed for business, correspondence delivered on that day will be considered to be received on the next day on which CIPO is open for business.

La correspondance livrée et reçue par voie électronique, y compris par télécopieur, est réputée reçue à l'OPIC le jour même avant minuit, heure locale, lorsque l'OPIC est ouvert au public. Si elle est transmise un jour où l'OPIC est fermé au public, elle est réputée reçue à la date du jour d'ouverture suivant de l'OPIC.

2.1 Facsimile

Facsimile correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent to the following facsimile numbers:

- (819) 953-CIPO (2476) or
- (819) 953-OPIC (6742)

Facsimile correspondence that is sent to any facsimile number other than those indicated above, including those of a designated establishment or designated office, will be considered not to have been received.

The electronic transmittal report returned to you following your facsimile transmission will constitute your acknowledgment receipt. Confidentiality of the facsimile transmission process cannot be guaranteed. Please note that CIPO strongly discourages the use of a computer facsimile interface or internet-based facsimile services due to technical issues with reception.

When submitting a document by facsimile that also has a fee requirement, notification of the preferred mode of payment to be applied must be prominently displayed on the Fee Payment Form to ensure expedient processing.

Patents

The document presentation requirements set out in sections 69 and 70 of the Patent Rules apply to facsimile correspondence.

2.2 Online

Correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent electronically using the relevant links below.

Patents

For the purpose of subsection 5(6) of the Patent Rules, correspondence addressed to the Commissioner may be sent electronically by accessing the following pages:

- filing an application (regular application);
- filing a request for national entry;
- filing an international application (PCT Safe or ePCT);
- general correspondence relating to applications and patents;
- maintaining the name of a patent agent on the register

2.1 Correspondance par télécopieur

La correspondance par télécopieur adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise aux numéros ci-dessous :

- 819-953-OPIC (6742) ou
- 819-953-CIPO (2476)

La correspondance qui est transmise par télécopieur à tout autre numéro de télécopieur que ceux qui sont indiqués ci-dessus, y compris ceux d'établissements ou de bureaux désignés, sera réputée non reçue.

Le rapport de transmission électronique que vous recevrez après votre envoi par télécopieur constituera votre accusé de réception. La confidentialité du processus de transmission électronique ne peut pas être garantie. Veuillez noter que l'OPIC décourage fortement l'utilisation d'interface de télécopie par ordinateur ou de services de télécopie par le biais d'internet étant donné les problèmes techniques probables avec la réception.

Quand on transmet par télécopieur un document comprenant une demande d'acquittement de frais, il faut clairement indiquer le mode de paiement préféré sur le formulaire de paiements en vue d'assurer un traitement rapide.

Brevets

Les exigences relatives à la présentation des documents énoncées aux articles 69 et 70 des Règles sur les brevets s'appliquent à la correspondance par télécopieur.

2.2 En ligne

La correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par voie électronique.

Brevets

Aux fins du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment par le biais des pages suivantes :

- déposer une demande (demande régulière);
- déposer une demande d'entrée dans la phase nationale;
- déposer une demande internationale (PCT Safe ou ePCT);
- correspondance générale concernant des demandes et des brevets;
- maintien du nom d'un agent de brevets dans le registre

of patent agents; and

- ordering copies in paper, or electronic form of a document.

des agents de brevets;

- commande de copies papier ou d'un document sous forme électronique.

Canada as Receiving Office Under the PCT: PCT-SAFE

Pursuant to PCT Rule 89bis, CIPO, in its role as a receiving Office, accepts the electronic filing of an international application prepared using the latest version of the WIPO's PCT-Safe software and applications prepared using WIPO's ePCT online service. Filing in both cases must be done using CIPO's International Filing e-service, called PCT E-Filing.

Note: Correspondence related to PCT international applications can not be sent electronically to CIPO. Correspondence may be sent by mail, by facsimile or delivered by hand to CIPO or to a designated establishment.

Le Canada comme office récepteur au titre du PCT : PCT-SAFE et ePCT

Conformément à la Règle 89bis du PCT, l'OPIC, à titre d'office récepteur, accepte le dépôt d'une demande internationale préparée à l'aide de la plus récente version du logiciel PCT-SAFE de l'OMPI, et d'une demande préparée à l'aide du service en ligne ePCT de l'OMPI. Dans les deux cas, le dépôt doit se faire à l'aide du service électronique de dépôt de demandes internationales de l'OPIC, appelé Dépôt en ligne de demandes PCT.

Note: La correspondance liée aux demandes internationales PCT ne peut être envoyée par voie électronique à l'OPIC. La correspondance peut être envoyée par courrier, par télécopieur ou remis en mains à l'OPIC ou à un établissement désigné.

Trademarks

For the purpose of subsection 3(6) of the Trade-marks Regulations, the following correspondence addressed to the Registrar of Trade-marks may be sent electronically by accessing the following pages:

- filing a new or revised trademark application;
- renewal of a trademark registration;
- request to enter a name on the list of trademark agents;
- annual renewal of a trademark agent;
- requesting copies of trademark documents;
- filing of a declaration of use;
- registration of a trademark application;
- statement of Opposition; and
- extensions of time in trademark opposition cases

Marques de commerce

Aux fins du paragraphe 3(6) du Règlement sur les marques de commerce, la correspondance indiquée ci-dessous qui est adressée au registraire des marques de commerce peut être envoyés par voie électronique, notamment par les pages suivantes :

- nouvelle demande ou demande modifiée d'enregistrement de marque de commerce;
- renouvellement de l'enregistrement d'une marque de commerce;
- demande d'inscription d'un nom à la liste des agents de marques de commerce;
- renouvellement annuel d'un agent de marques de commerce;
- commande de copies de documents de marques de commerce.
- dépôt d'une déclaration d'emploi;
- l'enregistrement d'une marque de commerce
- dépôt d'une déclaration d'opposition; et
- demande de prolongation de délai dans une procédure d'opposition.

Copyright

For the purpose of subsection 2(6) of the Copyright Regulations, the following correspondence addressed to the Copyright Office may be sent electronically, by accessing the following pages:

- application for registration of a copyright in a work.
- application for registration of a copyright in a performer's performance, sound recording or a

Droits d'auteur

Aux fins du paragraphe 2(6) du Règlement sur le droit d'auteur, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique. Pour ce faire, il faut accéder aux pages suivantes :

- demande d'enregistrement d'un droit d'auteur sur une œuvre.
- demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de

- communication signal;
- filing a grant of interest;
- request for certificate of correction;
- ordering copies in paper, or electronic form of a document; and
- general correspondence relating to copyright.

- communication;
- dépôt d'une concession d'intérêt;
- demande de certificat de correction;
- commande de copies des documents papier ou électroniques et
- correspondance générale relative aux droits d'auteur.

Industrial Designs

For the purpose of subsection 3(6) of the Industrial Design Regulations, the following correspondence addressed to the Commissioner of Patents may be sent electronically, by accessing the following pages:

- application for registration of an industrial design;
- ordering copies in paper, or electronic form of a document;
- general correspondence relating to industrial designs; and
- payment of industrial design maintenance fees.

Dessins industriels

Aux fins du paragraphe 3(6) du Règlement sur les dessins industriels, la correspondance indiquée ci-dessous qui est adressée au commissaire aux brevets peut être transmise par voie électronique. Pour ce faire, il faut accéder aux pages suivantes :

- demande d'enregistrement d'un dessin industriel;
- commande de copies de documents papier ou électroniques;
- correspondance générale relative aux dessins industriels; et
- paiement des droits de maintien des dessins industriels.

Integrated Circuit Topographies

For the purpose of subsection 3(6) of the Integrated Circuit Topography Regulations, the following correspondence addressed to the Registrar of Topographies may be sent electronically, by accessing the following page:

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

Aux fins du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique. Pour ce faire, il faut accéder à la page suivante :

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

Patents

The Patent Office will accept correspondence on various types of electronic medium as specified below. The electronic medium should contain a table of contents and be provided with a cover letter, which will be date stamped by CIPO and placed in the application file. Filing date requirements prescribed in the Patent Rules still remain.

When submitted on an electronic medium, the parts of the application must be logically broken down in files, which are no larger than 25 megabytes.

With regards to sequence listings under Rule 111 of the Patent Rules, the electronic medium must be separate from any electronic medium which may be filed containing parts of the

2.3 Supports électroniques

Brevets

Le Bureau des brevets acceptera la correspondance transmise à l'aide de divers supports électroniques, tel qu'indiqué ci-dessous. Le support électronique devrait contenir une table des matières et être accompagné d'une lettre explicative, laquelle sera datée par l'OPIC et placée dans le dossier de la demande. Les exigences relatives à la date de dépôt énoncées dans les Règles sur les brevets resteront applicables.

Les parties d'une demande qui sont présentées sur support électronique doivent être logiquement réparties en fichiers de 25 mégaoctets au maximum.

En ce qui concerne les listages des séquences prévus à l'article 111 des Règles sur les brevets, le support électronique doit être distinct de tout support électronique qui peut être déposé et qui

application itself or amendment(s) thereof.

contient des parties de la demande elle-même ou des modifications relatives à la demande.

Canada as Receiving Office Under the PCT: Electronic Filing of Sequence Listings

Pursuant to PCT Rules 89bis and 89ter, and in accordance with Part 7 of the PCT Administrative Instructions, where an international application contains disclosure of one or more nucleotide and/or amino acid sequence listings, CIPO, in its role as a receiving Office, accepts that the sequence listing part of the description and/or any table related to the sequence listing(s) be filed, at the option of the applicant:

i. only on an electronic medium in electronic form in accordance with section 702 of Part 7 of the PCT Administrative Instructions; or

ii. both on an electronic medium in electronic form and on paper in accordance with section 702 of Part 7 of the PCT Administrative Instructions;

provided that the other elements of the international application are filed as otherwise provided for under the PCT.

The sequence listing part of an international application filed in electronic form and related tables filed in electronic form shall comply with the relevant provisions of Annex C and C-bis of the PCT Administrative Instructions respectively.

For this purpose the Canadian receiving Office will accept any electronic media specified in Annex F of the PCT Administrative Instructions. Where both the sequence listing and the tables are filed in electronic form, the listing and the tables shall be contained on separate electronic media, which shall contain no other programs or files.

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

For further details concerning the filing of sequence listings and/or tables in electronic form, including the labeling of the electronic media and the calculation of the international filing fee, refer to section 7 of the PCT Administrative Instructions.

Le Canada comme office récepteur au titre du PCT : Dépôt électronique des listages de séquences

Conformément aux Règles 89bis et 89ter du PCT et à la Partie 7 des Instructions administratives du PCT, lorsqu'une demande internationale contient la divulgation d'un ou de plusieurs listages des séquences de nucléotides et/ou d'acides aminés, à titre d'office récepteur l'OPIC accepte le dépôt de la partie de la description contenant les listages des séquences et/ou de tout tableau relatif aux listages des séquences et ce, à la discrétion du requérant :

i. seulement sous forme électronique et sur support électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT, ou

ii. sur support papier et sur support électronique sous forme électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT,

à condition que les autres éléments de la demande internationale soient déposés conformément aux dispositions du PCT.

Dans une demande internationale déposée sous forme électronique, la partie qui contient le listage des séquences et les tableaux connexes seront conformes aux dispositions pertinentes de l'Annexe C et de l'Annexe C-bis des Instructions administratives du PCT, respectivement.

À cette fin, l'office récepteur canadien acceptera tout support électronique prévu à l'Annexe F des Instructions administratives du PCT. Lorsque le listage des séquences et les tableaux sont déposés sous forme électronique, ils le seront sur des supports électroniques distincts ne contenant pas d'autres programmes ni fichiers.

Aux fins du traitement de la demande internationale, l'office récepteur canadien exige deux (2) copies supplémentaires du support électronique contenant le listage de séquences et/ou les tableaux sous forme électronique, accompagnées d'une déclaration indiquant que le listage des séquences et/ou les tableaux contenus dans les copies sont identiques à ceux qui ont été déposés sous forme électronique.

On trouvera à l'article 7 des Instructions administratives du PCT des détails supplémentaires sur le dépôt de listages des séquences et/ou de tableaux sous forme électronique, notamment sur l'étiquetage des supports électroniques et le calcul de la taxe de dépôt internationale.

Electronic Media accepted by the Patent Office

The Patent Office will accept 3.5 inch diskette, CD-ROM, CD-R, DVD, DVD-R and any format as specified in Annex F of

Supports électroniques acceptés par le Bureau des brevets

Le Bureau de brevets acceptera des disquettes 3.5 pouces, CD-ROM, CD-R, DVD, DVD-R et tout format spécifié à l'Annexe

the PCT Administration Instructions.

The electronic medium must also be free of worms, viruses or other malicious content. Files with malicious content will be deleted.

F des Instructions administratives du PCT.

Le support électronique doit aussi être exempt de tout ver, virus ou autre contenu malveillant. Les fichiers ayant un contenu malveillant seront effacés.

3. Details concerning the electronic formats accepted

Patents

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, the acceptable file formats for documents submitted electronically using the relevant links set out in section 2.2 of these correspondence procedures or on electronic media are TIFF and PDF. In order to get a correspondence date, the office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the office will request the documents to be replaced by documents in PDF or TIFF and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

Sequence listings can be initially provided in TIFF, PDF or in ASCII file formats. However, as a completion requirement according to section 94 of the Patent Rules, a sequence listing in the ASCII format compliant with the "PCT sequence listing standard" has to be submitted. Therefore, CIPO encourages applicants to submit the sequence listings in the ASCII format in the first place.

When applicable, the Patent Office will accept files in the TIFF, PDF and ASCII format when they comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11" or A4.

PDF Format:

- Adobe Portable Document Format Version 1.4 compatible;
- Non-compressed text to facilitate searching;
- Unencrypted text;
- No embedded OLE objects;
- All fonts must be embedded and licensed for distribution.

3. Précisions concernant les formats électroniques acceptés

Brevets

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance ou sur support électronique sont les formats TIFF et PDF. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers en format PDF ou TIFF, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents initialement déposés.

Les listages des séquences peuvent être initialement déposés sous forme de fichiers TIFF, PDF ou ASCII. Toutefois, afin de compléter la demande, conformément à l'article 94 des Règles sur les brevets, un listage des séquences en format ASCII conforme à la Norme PCT de listage des séquences devra être présenté. L'OPIC encourage donc les demandeurs à déposer les listages de séquences en format ASCII dès le départ.

Le cas échéant, le Bureau des brevets acceptera des fichiers en format TIFF, PDF et ASCII s'ils sont conformes aux spécifications suivantes :

Format TIFF

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Résolution : 300 ou 400 ppp
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po ou A4.

Format PDF

- Compatible avec Adobe Portable Document Format Version 1.4
- Texte non comprimé, pour faciliter la recherche
- Texte non chiffré
- Pas d'objets OLE incorporés
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

ASCII

- Shall be encoded using IBM Code Page 437, IBM Code Page 932 or a compatible code page.

ASCII

- Le texte sera encodé à l'aide des pages de codes IBM 437 ou IBM 932 ou d'une page de codes compatible.

Industrial Design

For the purposes of subsection 3(6) of the Industrial Design Regulations, the acceptable file formats for documents submitted electronically using the relevant links set out in section 2.2 of these correspondence procedures are: TIFF, JPEG, WPD and Doc. In order to get a correspondence date, the Office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the Office will request the documents to be replaced by documents in one of the acceptable formats and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

When submitting images electronically, we strongly encourage clients to comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11";
- Resolution of 300 dpi

Photographs in JPEG Format:

- JPEG compression, Gray Scale 8 bit (256 Shades of Gray);
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11";
- Resolution of 300 dpi

For all images submitted in different formats, the office may print and scan the images or convert them to recommended formats prior to loading them in the database. If the office converts files to an acceptable format this could result in a change in quality to the drawings.

Dessins industriels

Aux fins des paragraphes 3(6) et 12(3) du Règlement sur les dessins industriels, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance sont : TIFF, JPEG, WPD et DOC. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats, à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ».Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers présentés dans un des formats acceptables, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents déposés à l'origine.

Nous encourageons fortement les clients à respecter les spécifications suivantes lorsqu'ils déposent des images par voie électronique :

Format TIFF :

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po
- Résolution : 300 ppp

Photographies en format JPEG :

- Compression JPEG, échelle de gris de 8 bits (256 tons de gris)
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po
- Résolution : 300 ppp

Pour toutes les images soumises dans différents formats, le bureau peut imprimer et balayer les images par scanner ou les convertir dans les formats recommandés avant leur chargement dans la base de données. Si le bureau convertit les fichiers dans un format acceptable, ceci pourrait résulter en un changement de la qualité des dessins.

4. General Information

General information may be obtained by communicating with CIPO's Client Service Centre.

4. Renseignements généraux

On pourra obtenir des renseignements généraux en communiquant avec le Centre de services à la clientèle de l'OPIC.

5. Statutory Holidays

- Time limits under the Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts
- Time limits under the Patent and Trade-marks Act
- Time limits under the Patent Cooperation Treaty
- Provincial and Territorial Holidays
- When Patent and Trademarks Offices are closed for business

5. Jours fériés

- Délais prévus dans les lois sur les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés
- Délais prévus dans la Loi sur les brevets et dans la Loi sur les marques de commerce
- Délais prévus dans le Traité de coopération en matière de brevets
- Jours fériés provinciaux ou territoriaux
- Jours de fermeture au public des bureaux des brevets et des marques de commerce

Time limits under the Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts

In accordance with section 26 of the Interpretation Act, any person choosing to deliver a document to a designated establishment (including CIPO's offices in Gatineau, Quebec; an Innovation, Science and Economic Development Canada regional office or the Registered Mail™ and Xpresspost™ services of Canada Post) where a federal, provincial or territorial holiday exists, is entitled to an extension of any time limit for the filing of the document that expires on the holiday, until the next day that is not a holiday. It is to be noted, in respect of provincial and territorial holidays, that the entitlement to the extension is dependent on the establishment to which the document is delivered and not on the place of residence of the person for whom the document is filed or of their agent. For this purpose, documents transmitted to CIPO by electronic means, including by facsimile, would be considered to be delivered to CIPO's offices in Gatineau, Quebec.

CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly, where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to any needed extension of the time limit.

Délais prévus dans les lois sur les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés

Selon l'article 26 de la Loi d'interprétation, lorsqu'une personne choisit de livrer un document à un établissement désigné (y compris les bureaux de l'OPIC à Gatineau, au Québec, un bureau régional d'Innovation, Sciences et Développement économique Canada ou le service Courrier recommandé de Postes Canada) dans une province où il y a un jour férié fédéral, provincial ou territorial, tout délai fixé pour le dépôt du document, qui expire un jour férié peut être prorogé jusqu'au jour non férié suivant. Dans le cas d'un jour férié provincial ou territorial, il convient de souligner que le droit à la prorogation dépend de l'établissement auquel le document est livré et non du lieu de résidence de la personne pour laquelle le document est déposé ou de son agent. À cet égard, les documents envoyés à l'OPIC par un moyen électronique, y compris par télécopieur, sont réputés être livrés aux bureaux de l'OPIC à Gatineau, au Québec.

En pratique, l'OPIC n'a aucun moyen de faire le suivi sur les établissements auxquels des documents sont livrés. Par conséquent, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

Time limits under the Patent and Trade-marks Acts

In addition to the extensions of time limits referred to above, in accordance with subsection 78(1) of the Patent Act and subsection 66(1) of the Trade-marks Act, any patent or trademark time limit that expires on a day when the Patent and Trademarks Offices are closed for business is deemed to be extended to the next day when the offices are open for business. All persons are entitled to these extensions regardless of their place of residence or of the establishment to which documents are delivered.

No equivalent provisions exist under the Industrial Design Act, the Copyright Act or the Integrated Circuit Topography Act.

Délais prévus dans la Loi sur les brevets et dans la Loi sur les marques de commerce

En plus des prorogations indiquées aux paragraphes précédents, les paragraphes 78(1) de la Loi sur les brevets et 66(1) de la Loi sur les marques de commerce stipulent que tout délai relatif aux brevets ou aux marques de commerce qui expire un jour où les bureaux des marques de commerce et des brevets sont fermés au public est réputé prorogé jusqu'au jour de réouverture de ces bureaux. Toute personne a droit à une telle prorogation quel que soit son lieu de résidence ou l'établissement auquel les documents sont livrés

Il n'existe pas de disposition équivalente dans la Loi sur les dessins industriels, la Loi sur le droit d'auteur ou dans la Loi sur les topographies de circuits intégrés.

Time limits under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

If the expiration of any period during which any document or fee must reach a national Office or intergovernmental organization falls on a day:

i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;

ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;

iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or

iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

the period shall expire on the next subsequent day on which none of the said four circumstances exists.

CIPO takes the position that section 26 of the Interpretation Act applies to PCT international applications filed in Canada. Accordingly, where a person has a time limit under the PCT for

Délais prévus dans le Traité de coopération en matière de brevets

La règle 80.5 du Règlement d'exécution du PCT prévoit ce qui suit :

Si un délai quelconque pendant lequel un document ou une taxe doit parvenir à un office national ou à une organisation intergouvernementale expire un jour

i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;

ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;

iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou

iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

Le délai prend fin le premier jour suivant auquel aucune de ces quatre circonstances n'existe plus.

L'OPIC estime que l'article 26 de la Loi d'interprétation s'applique aux demandes internationales du PCT déposées au Canada. Par conséquent, lorsqu'un délai prévu dans le cadre du

the filing of a document in Canada that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. CIPO, however, takes no position as to whether such extensions would be recognized by other countries, and it will be the responsibility of the person filing the document to ensure that in other countries of interest they are properly entitled to any needed extension of the time limit by reason of Rule 80.5 of the Regulations under the PCT or some other applicable law.

PCT pour le dépôt d'un document au Canada expire un jour férié provincial ou territorial, si le déposant livre le document en question le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement où une prorogation du délai est justifiée. Toutefois, il ne se prononce pas sur l'acceptation éventuelle de ces prorogations par d'autres pays; il incombera à la personne qui dépose le document de vérifier si elle a droit à une prorogation, dans d'autres pays qui l'intéressent, en vertu de la règle 80.5 du Règlement d'exécution du PCT ou d'une autre loi pertinente.

Provincial and Territorial Holidays

For the purposes of this practice notice, CIPO has identified the following as being days that are not federal holidays but that are holidays in one or more provinces or territories:

1. **Alberta**: Third Monday in February (Alberta Family Day)
2. **British Columbia**:
   - First Monday in August (British Columbia Day)
   - Second Monday in February (British Columbia Family Day)
3. **New Brunswick**: First Monday in August (New Brunswick Day)
4. **Newfoundland and Labrador**:
   - March 17 (St. Patrick's Day)
   - April 23 (St. George's Day)
   - June 24 (Discovery Day)
   - July 12 (Orangemen's Day)
   - First Monday in August (Regatta Day)
5. **Nova Scotia**: First Monday in August (Civic Holiday)
6. **Ontario**:
   - Third Monday in February (Ontario Family Day)
   - First Monday in August (Civic Holiday)
7. **Prince Edward Island**: First Monday In August (Civic Holiday)
8. **Quebec**: June 24 (St. John the Baptist Day)
9. **Saskatchewan**: First Monday in August (Saskatchewan Day)
10. **Yukon**: Third Monday in August (Discovery Day)

Jours fériés provinciaux ou territoriaux

Aux fins du présent avis, l'OPIC a indiqué que les jours ci-après, qui ne sont pas des jours fériés pour l'administration fédérale, sont des jours fériés dans au moins une province ou territoire :

1. **Alberta** : troisième lundi de février (Jour de la Famille de l'Alberta)
2. **Colombie-Britannique** :
   - premier lundi d'août (Fête de la Colombie-Britannique)
   - euxième lundi de février (Jour de Famille de la Colombe –Britannique)
3. **Nouveau-Brunswick** : premier lundi d'août (Fête du Nouveau-Brunswick)
4. **Terre-Neuve et Labrador** :
   - 17 mars (Fête de la Saint-Patrick)
   - 23 avril (Fête de la Saint-Georges)
   - 24 juin (Journée de la Découverte)
   - 12 juillet (Jour des Orangistes)
   - Premier lundi d'août (Journée de la Régate)
5. **Nouvelle-Écosse** : premier lundi d'août (congé statutaire)
6. **Ontario** :
   - troisième lundi de février (Jour de la Famille de l'Ontario)
   - premier lundi d'août (congé statutaire)
7. **L'Île-du-Prince-Edouard** : premier lundi d'août (congé civique)
8. **Québec** : 24 juin (Saint-Jean-Baptiste)
9. **Saskatchewan** : premier lundi d'août (Fête de la Saskatchewan)
10. **Yukon** : troisième lundi d'août (Journée de la Découverte)

When CIPO's Offices are closed for business

For the purposes of subsection 78(1) of the Patent Act and subsection 66(2) of the Trade-marks Act, CIPO's Offices are closed for business on the following days:

Jours de fermeture des bureaux de l'OPIC au public

Pour l'application des paragraphes 78(1) de la Loi sur les brevets et 66(2) de la Loi sur les marques de commerce, les bureaux de l'OPIC sont fermés au public les jours suivants :

- All Saturdays and Sundays
- New Year's Day (January 1)*
- Good Friday
- Easter Monday
- Victoria Day: First Monday immediately preceding May 25
- St. John the Baptist Day (June 24)*
- Canada Day (July 1)*
- Labour Day: First Monday in September
- Thanksgiving Day: Second Monday in October
- Remembrance Day (November 11)*
- Christmas Day (December 25)*
- Boxing Day (December 26)

If December 26 falls on a Saturday, CIPO's Offices will be closed on the following Monday. If December 26 falls on a Sunday or Monday, the Offices are closed on the following Tuesday.

* If any of these holidays fall on a Saturday or Sunday, the Offices will be closed on the following Monday.

- Tous les samedi et dimanche
- Jour de l'An (1er janvier)*
- Vendredi Saint
- Lundi de Pâques
- Fête de Victoria : premier lundi précédant le 25 mai
- Saint-Jean-Baptiste (le 24 juin)*
- Fête du Canada (1er juillet)*
- Fête du travail : premier lundi de septembre
- Jour de l'Action de grâces : deuxième lundi d'octobre
- Jour du souvenir (11 novembre)*
- Jour de Noël (25 décembre)*
- L'après-Noël (26 décembre)

Si le 26 décembre est un samedi, les bureaux de l'OPIC seront fermés le lundi suivant. S'il coïncide avec un dimanche ou un lundi, les bureaux le seront le mardi d'après.

* Si l'un ou l'autre de ces jours fériés est un samedi ou un dimanche, les bureaux des brevets et marques de commerce seront fermés le lundi suivant.

6. Procedures in case of an unexpected office closure at CIPO

In case of an **emergency**, CIPO will attempt to remain open for business and ensure that essential service to our clients continues with the least possible disruption or delay.

In view of the **date-sensitive nature** of intellectual property (IP), clients are advised to address important deadlines ahead of time to minimize the risk of affecting their IP rights. For the purposes of such deadlines, unless otherwise notified, clients should assume that all due dates remain in effect.

Whenever CIPO is closed for business, including closures due to extraordinary circumstances, CIPO considers **all time limits to be extended until the next day that it is open for business**. In such situations, mail delivered to CIPO or to the designated regional offices will be considered to be received on the date that CIPO re-opens for business, with the exception of correspondence addressed to the Registrar of Topographies.

There may also be instances in which the designated regional offices may be temporarily closed, yet CIPO remains open for business. In such situations, it remains the responsibility of CIPO's clients to ensure that all deadlines are respected.

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or electronically using the relevant links set out in section 2.2 of these correspondance procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476); however date-sensitive material requiring fee payment that is sent by fax must be accompanied by a VISA, MasterCard, or American Express credit card number, or CIPO

6. Procédures en cas de fermeture des bureaux

Dans une **situation d'urgence**, l'OPIC s'efforcera de demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

Étant donné **l'importance que revêtent les délais** en matière de propriété intellectuelle (PI), il est recommandé aux clients de minimiser les risques pouvant nuire à leurs droits en matière de PI en tenant compte à l'avance des dates limites importantes. En ce qui a trait aux délais prescrits, les clients doivent respecter toutes les dates d'échéance, à moins d'avis contraire.

Dans les cas où l'OPIC est fermé au public, y compris pour des raisons exceptionnelles, **les dates limites seront réputées être reportées au prochain jour où l'OPIC sera ouvert au public**. Le cas échéant, sauf pour la correspondance adressée au registraire des topographies, le courrier livré à l'OPIC ou aux bureaux régionaux désignés sera réputé avoir été reçu le jour où l'OPIC rouvre au public.

Il pourrait y avoir des cas où les bureaux régionaux seraient fermés temporairement, mais où l'OPIC resterait ouvert au public. Le cas échéant, les clients de l'OPIC demeurent responsables du respect de tous les échéanciers.

Les clients sont **fortement encouragés** à faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé^MC, par Xpresspost^MC ou par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance. Il est toujours possible de télécopier des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des frais sont exigés, envoyés par

deposit account number.

télécopieur, doivent être accompagnés d'un numéro de carte VISA, Mastercard ou American Express ou d'un numéro de compte de dépôt à l'OPIC.

When possible during an emergency, information and search systems will continue to be available on our website; however, services provided through the Client Service Centre and other support areas within CIPO may be temporarily unavailable. Should an emergency occur, CIPO will post information on our service interruptions as they become available and as circumstances permit.

En cas d'urgence, les systèmes d'information et de recherche seront, dans la mesure du possible, accessibles à partir de notre site Web; toutefois, les services fournis par le Centre de services à la clientèle et les autres services de soutien de l'OPIC pourraient temporairement ne pas être offerts. En cas d'urgence, l'OPIC affichera les renseignements nécessaires sur notre page d'interruptions des services lorsque ceux-ci seront disponibles et si les circonstances le permettent.

7. Procedures when CIPO is open for business but clients are unable to communicate with the Office

7. Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture

Patents, Industrial Design, Copyright and Integrated Circuit Topography

The legislative framework in relation with the abovementioned types of intellectual property does not provide CIPO with the flexibility to extend deadlines when it is open for business but clients are unable to communicate with the Office.

In these situations it remains the responsibility of clients to ensure that all deadlines are respected.

Brevets, dessins industriels, droit d'auteur et topographies de circuits intégrés

Le cadre législatif relié aux types de propriété intellectuelle mentionnés ci-haut ne permet pas à l'OPIC d'avoir la flexibilité de proroger les délais lors d'une journée ouvrable pendant laquelle les clients sont dans l'impossibilité de communiquer avec le bureau.

Dans une telle situation, les clients demeurent tenus de veiller à ce que les échéances soient respectées.

Trademarks

The Trade-marks Act and Regulations does allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. For a retroactive extension of time to be granted, the Registrar of Trade-marks must be satisfied that the failure to do the act or apply for an extension of time before the original due date was not reasonably avoidable. A prescribed fee of $125 may be required in certain cases.

CIPO notes that Bill C-59 – Budget Implementation Act 2015, which received royal assent on June 23, 2015, contains provisions for extensions of time in Force Majeure-type situations (such as catastrophic events). CIPO has commenced work on regulatory amendments to the Patent Rules, Trade-Marks Regulations and the Industrial Design Regulations to bring Bill C-59 into force.

Marques de commerce

La Loi sur les marques de commerce et le Règlement sur les marques de commerce permettent aux clients de demander une prorogation rétroactive lorsqu'un délai n'a pas été respecté en raison d'une situation de force majeure. Pour qu'une prorogation rétroactive soit accordée, le registraire des marques de commerce doit être convaincu que l'omission d'accomplir l'acte ou de demander la prorogation avant la date initiale d'échéance n'était pas raisonnablement évitable. Un droit prescrit de 125 $ peut être exigé dans certains cas.

L'OPIC souligne que le projet de loi C-59 – Loi d'exécution du budget 2015, qui a reçu la sanction royale le 23 juin 2015, renferme des dispositions permettant la prorogation de délais dans des cas de force majeure (événements catastrophiques par exemple). L'OPIC a entamé des travaux visant à apporter des modifications réglementaires aux Règles sur les brevets, au Règlement sur les marques de commerce et au Règlement sur les dessins industriels afin de mettre le projet de loi C-59 en vigueur.

8. Intellectual property acts, rules and regulations

- Copyright Act
- Copyright Regulations
- Industrial Design Act
- Industrial Design Regulations
- Integrated Circuit Topography Act
- Integrated Circuit Topography Regulations
- Interpretation Act
- Patent Act
- Patent Rules
- Regulations under the PCT
- Trade-marks Regulations

8. Lois, règles et règlements sur la propriété intellectuelle

- Loi sur le droit d'auteur
- Règlement sur le droit d'auteur
- Loi sur les dessins industriels
- Règlement sur les dessins industriels
- Loi sur les topographies de circuits intégrés
- Règlement sur les topographies de circuits intégrés
- Loi d'interprétation
- Loi sur les brevets
- Règles sur les brevets
- Règlement d'exécution du PCT
- Règlement sur les marques de commerce

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of November 14, 2017 contains applications open to public inspection from October 29, 2017 to November 4, 2017.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 14 novembre 2017 contient les demandes disponibles au public pour consultation pour la période du 29 octobre 2017 au 4 novembre 2017.

16. Erratum

The information concerning the following application numbers was missing from the *Canadian Patent Office Record* of November 7, 2017 under the section *PCT Applications Entering the National Phase*. Please note that the information is included this week, under the same section, in addition to the regularly scheduled applications.

2964304
2964957
2964963
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2965095
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2965262
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2976332
2978348
2978471
2978958
2979043
2979050
2979053

16. Erratum

Les renseignements concernant les demandes suivantes sont manquants de la rubrique *Gazette du Bureau des brevets* du 7 novembre 2017 sous la section *Demandes PCT entrant en phase nationale*. Veuillez noter que cet information est inclus cette semaine, sous la même section, en addition des demandes régulières.

2964304
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2976332
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2979050

2979054
2979071
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2979075
2979206

2979053
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17. Erratum

The information concerning the following application numbers was missing from the *Canadian Patent Office Record* of November 7, 2017 under the section *PCT Applications Entering the National Phase*. Please note that the information is included this week, under section *Canadian Divisional and Previously Unavailable Applications Open to Public Inspection*.

2927789
2927893
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2928121
2944077
2950855
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2961686
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2964650
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2964750
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2964899
2964903
2964924
2964933
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2964945
2964987
2964989
2964992
2964994
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2965007

17. Erratum

Les renseignements concernant les demandes suivantes sont manquants de la rubrique *Gazette du Bureau des brevets* du 7 novembre 2017 sous la section *Demandes PCT entrant en phase nationale*. Veuillez noter que cet information est inclus cette semaine, sous la section *Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant*.

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2964147
2964243
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2965005
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2965011
2965018
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2977184
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2965011
2965018
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2965056
2965057
2965068
2965291
2977184
2977206

Canadian Patents Issued

November 14, 2017

Brevets canadiens délivrés

14 novembre 2017

[11] **2,563,666**
[13] C
[51] **Int.Cl. C07K 14/47 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **DIFFERENTIALLY EXPRESSED CLAUDIN-18 VARIANTS IN TUMORS AND USE THEREOF**
[54] **VARIANTES DE LA PROTEINE CLAUDIN-18 D'EXPRESSION DIFFERENTIELLE DANS LESTUMEURS ET LEUR UTILISATION**
[72] TUERECI, OEZLEM, DE
[72] SAHIN, UGUR, DE
[72] KOSLOWSKI, MICHAEL, DE
[72] FRITZ, STEFAN, DE
[72] GEPPERT, HARALD-GERHARD, DE
[73] GANYMED PHARMACEUTICALS AG, DE
[85] 2006-10-19
[86] 2005-05-18 (PCT/EP2005/005410)
[87] (WO2005/113587)
[30] DE (10 2004 024 617.3) 2004-05-18

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[11] **2,577,556**
[13] C
[51] **Int.Cl. B61L 17/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FORECASTING THE COMPOSITION OF AN OUTBOUND TRAIN IN A SWITCHYARD**
[54] **SYSTEME ET METHODE POUR PREVOIR LA COMPOSITION D'UN TRAIN EN PARTANCE DANS UNE COUR DE TRIAGE**
[72] MUINONEN, KARI, CA
[72] MORENCY, VINCENT, CA
[72] BARKER, MATTHEW, CA
[73] CANADIAN NATIONAL RAILWAY COMPANY, CA
[86] (2577556)
[87] (2577556)
[22] 2007-02-06
[30] CA (2,568,411) 2006-11-17

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[11] **2,596,273**
[13] C
[51] **Int.Cl. C12N 15/13 (2006.01) A61K 38/17 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C07K 16/40 (2006.01) C12N 5/16 (2006.01) C12N 15/63 (2006.01) C12P 21/08 (2006.01) G01N 33/574 (2006.01) C07K 14/705 (2006.01) C12N 9/64 (2006.01)**
[25] EN
[54] **ADAM-9 MODULATORS**
[54] **MODULATEURS ADAM-9**
[72] MATHER, JENNIE, US
[72] LOO, DERYK, US
[73] RAVEN BIOTECHNOLOGIES, INC., US
[85] 2007-07-27
[86] 2006-02-02 (PCT/US2006/003748)
[87] (WO2006/084075)
[30] US (60/649,787) 2005-02-02

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[11] **2,597,192**
[13] C
[51] **Int.Cl. B65D 51/20 (2006.01) B65B 7/16 (2006.01) B65B 51/04 (2006.01) B65D 43/04 (2006.01) B65D 51/18 (2006.01) B65D 53/08 (2006.01)**
[25] EN
[54] **RECLOSABLE PACKAGE FOR A PRODUCT**
[54] **EMBALLAGE REFERMABLE POUR UN PRODUIT**
[72] HARLFINGER, CHARLES E., US
[73] C-PAK, LLC, US
[86] (2597192)
[87] (2597192)
[22] 2007-08-13
[30] US (11/600,601) 2006-11-16

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[11] **2,598,577**
[13] C
[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **ICONIC DISPLAY OF MARKERS FOR A METER**
[54] **AFFICHAGE ICONIQUE DE MARQUEURS POUR INSTRUMENT DE MESURE**
[72] GUARINO, JULIANNE M., US
[72] HUANG, DIJIA, US
[72] BROWN, DANIEL V., US
[72] BURNS, LAWRENCE J., US
[73] ASCENSIA DIABETES CARE HOLDINGS AG, CH
[85] 2007-08-21
[86] 2006-02-21 (PCT/US2006/006036)
[87] (WO2006/091564)
[30] US (60/655,104) 2005-02-22

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[11] **2,609,361**
[13] C
[51] **Int.Cl. A61K 35/28 (2015.01) C12N 5/077 (2010.01) C12N 5/0775 (2010.01)**
[25] EN
[54] **METHODS OF USING ADIPOSE TISSUE-DERIVED CELLS IN THE TREATMENT OF CARDIOVASCULAR CONDITIONS**
[54] **PROCEDES D'UTILISATION DE CELLULES DERIVEES DE TISSUS ADIPEUX DANS LE TRAITEMENT DE MALADIES CARDIOVASCULAIRES**
[72] FRASER, JOHN K., US
[72] HEDRICK, MARC H., US
[72] ZHU, MIN, US
[72] STREM, BRIAN M., US
[72] DANIELS, ERIC, US
[72] WULUR, ISABELLA, US
[73] CYTORI THERAPEUTICS, INC., US
[85] 2007-11-22
[86] 2005-05-25 (PCT/US2005/018605)
[87] (WO2006/127007)

[11] **2,627,397**
[13] C
[51] **Int.Cl. H04B 1/69 (2011.01) H04J 13/00 (2011.01)**
[25] EN
[54] **A METHOD AND A TELECOMMUNICATION DEVICE FOR SELECTING A NUMBER OF CODE CHANNELS AND AN ASSOCIATED SPREADING FACTOR FOR A CDMA TRANSMISSION**
[54] **PROCEDE ET DISPOSITIF DE TELECOMMUNICATIONS POUR SELECTIONNER UN NOMBRE DE CANAUX DE CODAGE ET UN FACTEUR DE DIFFUSION ASSOCIE DANS LE CAS D'UNE TRANSMISSION AMRC**
[72] MICHEL, JUERGEN, DE
[72] RAAF, BERNHARD, DE
[73] NOKIA SOLUTIONS AND NETWORKS GMBH & CO. KG, DE
[85] 2008-04-25
[86] 2006-10-23 (PCT/EP2006/067658)
[87] (WO2007/048768)
[30] EP (05023669.4) 2005-10-28

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[11] **2,643,952**
[13] C
[51] **Int.Cl. A61B 5/0408 (2006.01) A61B 5/0448 (2006.01) A61N 1/04 (2006.01) A61B 5/0478 (2006.01) A61B 5/0492 (2006.01) A61B 18/14 (2006.01)**
[25] EN
[54] **BIOMEDICAL ELECTRODE CONNECTORS**
[54] **CONNECTEUR D'ELECTRODE BIOMEDICALE**
[72] MEYER, PETER, US
[72] TREMBLAY, KATHLEEN, US
[72] SHOUM, JOSEPH R., US
[72] CABLE, FRANK, US
[72] TAUER, MARK, US
[72] SELVITELLI, DAVID, US
[72] COPP-HOWLAND, WARREN W., US
[73] KPR U.S., LLC, US
[86] (2643952)
[87] (2643952)
[22] 2008-11-17
[30] US (61/012,817) 2007-12-11

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[11] **2,653,317**
[13] C
[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **INJECTION DEVICE WITH A DAMPING MEANS ON THE TRIGGER**
[54] **DISPOSITIF D'INJECTION AVEC DES MOYENS D'AMORTISSEMENT DU DECLENCHEUR**
[72] HARRISON, NIGEL DAVID, GB
[72] JENNINGS, DOUGLAS IVAN, GB
[73] CILAG GMBH INTERNATIONAL, CH
[85] 2008-11-25
[86] 2007-05-30 (PCT/GB2007/001992)
[87] (WO2007/138313)
[30] GB (0610860.9) 2006-06-01

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[11] **2,654,617**
[13] C
[51] **Int.Cl. G06Q 40/08 (2012.01)**
[25] EN
[54] **REVISING CONTAINERIZED PROCESSING LOGIC FOR USE IN INSURANCE CLAIM PROCESSING**
[54] **REVISION DE LA LOGIQUE DE TRAITEMENT DES FLUX CONTENEURISES POUR L'ADAPTER AU TRAITEMENT DES DEMANDES DE REGLEMENT**
[72] THOLL, ROB, CA
[72] LEUNG, RAYMOND, CA
[72] RUSSELL, CLAYTON, CA
[73] EMERGIS INC., CA
[86] (2654617)
[87] (2654617)
[22] 2009-02-18

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[11] **2,654,684**
[13] C
[51] **Int.Cl. H04H 60/29 (2009.01) H04H 60/63 (2009.01) H04H 60/65 (2009.01)**
[25] EN
[54] **METHODS AND APPARATUS TO MONITOR ADVERTISEMENT EXPOSURE**
[54] **METHODES ET DISPOSITIF PERMETTANT DE CONTROLER UNE EXPOSITION PUBLICITAIRE**
[72] RAMASWAMY, ARUN, US
[73] THE NIELSEN COMPANY (US), LLC, US
[86] (2654684)
[87] (2654684)
[22] 2009-02-19
[30] US (61/029,744) 2008-02-19
[30] US (12/204,297) 2008-09-04

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[11] **2,663,980**
[13] C
[51] **Int.Cl. H04W 48/12 (2009.01) H04B 1/76 (2006.01) H04B 1/707 (2011.01) H04J 11/00 (2006.01)**
[25] EN
[54] **ACQUISITION PILOTS FOR WIRELESS COMMUNICATION SYSTEMS**
[54] **PILOTES D'ACQUISITION POUR SYSTEMES DE COMMUNICATION SANS FIL**
[72] GOROKHOV, ALEXEI, US
[72] KHANDEKAR, AAMOD, US
[72] WANG, MICHAEL, US
[73] QUALCOMM INCORPORATED, US
[85] 2009-03-18
[86] 2007-10-24 (PCT/US2007/082328)
[87] (WO2008/052026)
[30] US (60/862,730) 2006-10-24

[11] **2,666,466**
[13] C
[51] **Int.Cl. A61K 38/17 (2006.01) A61K 31/7088 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **COMPLEMENT INHIBITION FOR IMPROVED NERVE REGENERATION**
[54] **INHIBITION DU COMPLEMENT POUR UNE REGENERATION AMELIOREE DES NERFS**
[72] BAAS, FRANK, NL
[72] RAMAGLIA, VALERIA, NL
[73] REGENESANCE B.V., NL
[85] 2009-04-09
[86] 2007-10-10 (PCT/NL2007/050490)
[87] (WO2008/044928)
[30] US (60/850,277) 2006-10-10

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[11] **2,672,437**
[13] C
[51] **Int.Cl. H04L 29/06 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR INTERACTIVE DISTRIBUTION OF DIGITAL CONTENT**
[54] **PROCEDE ET APPAREIL DE DISTRIBUTION INTERACTIVE DE CONTENU NUMERIQUE**
[72] MILBRANDT, CELITE, US
[72] ASGHAR, SAFDAR, US
[72] KINDIG, BRADLEY, US
[73] SLACKER, INC., US
[85] 2009-06-11
[86] 2007-12-12 (PCT/US2007/087305)
[87] (WO2008/073992)
[30] US (11/637,300) 2006-12-12

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[11] **2,675,518**
[13] C
[51] **Int.Cl. A61K 31/4245 (2006.01) A61P 3/10 (2006.01) A61P 7/00 (2006.01) A61P 9/00 (2006.01)**
[25] EN
[54] **METHODS FOR DOSING AN ORALLY ACTIVE 1,2,4-OXADIAZOLE FOR NONSENSE MUTATION SUPPRESSION THERAPY**
[54] **PROCEDES POUR DOSER LE 1,2,4-OXADIAOZLE ACTIF PAR VOIE ORALE POUR LA THERAPIE DE SUPPRESSION DES MUTATIONS NON-SENS**
[72] HIRAWAT, SAMIT, US
[72] MILLER, LANGDON, US
[73] PTC THERAPEUTICS, INC., US
[85] 2009-04-09
[86] 2007-10-11 (PCT/US2007/021921)
[87] (WO2008/045566)
[30] US (60/851,450) 2006-10-12

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[11] **2,678,885**
[13] C
[51] **Int.Cl. H01J 23/26 (2006.01) H01J 25/34 (2006.01)**
[25] EN
[54] **HIGH FREQUENCY HELICAL AMPLIFIER AND OSCILLATOR**
[54] **AMPLIFICATEUR ET OSCILLATEUR A HELICE A HAUTE FREQUENCE**
[72] DAYTON, JAMES A., JR., US
[72] KORY, CAROL L., US
[73] TERAPHYSICS CORPORATION, US
[85] 2009-08-19
[86] 2008-02-21 (PCT/US2008/054555)
[87] (WO2008/127783)
[30] US (60/902,537) 2007-02-21

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[11] **2,678,901**
[13] C
[51] **Int.Cl. C12N 5/00 (2006.01) C12N 15/00 (2006.01)**
[25] EN
[54] **METHODS FOR MODULATING EMBRYONIC STEM CELL DIFFERENTIATION**
[54] **PROCEDES DE MODULATION DE LA DIFFERENTIATION DES CELLULES SOUCHES EMBRYONNAIRES**
[72] KO, MINORU S.H., US
[72] FALCO, GEPPINO, US
[72] LEE, SUNG-LIM, US
[72] MONTI, MANUELA, US
[72] STANGHELLINI, ILARIA, US
[73] THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2009-08-19
[86] 2008-03-26 (PCT/US2008/058261)
[87] (WO2008/118957)
[30] US (60/920,215) 2007-03-26

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[11] **2,680,912**
[13] C
[51] **Int.Cl. C07C 217/74 (2006.01) C07B 59/00 (2006.01) C07C 215/64 (2006.01) C07D 265/06 (2006.01)**
[25] EN
[54] **SUBSTITUTED PHENETHYLAMINES WITH SEROTONINERGIC AND/OR NOREPINEPHRINERGIC ACTIVITY**
[54] **PHENETHYLAMINES SUBSTITUEES A ACTION SEROTONINERGIQUE ET/OU NOREPINEPHRINERGIQUE**
[72] GANT, THOMAS G., US
[72] SARSHAR, SEPEHR, US
[72] WOO, SOON HYUNG, US
[73] AUSPEX PHARMACEUTICALS, INC., US
[85] 2009-09-11
[86] 2008-03-13 (PCT/US2008/056780)
[87] (WO2008/140859)
[30] US (60/895,049) 2007-03-15
[30] US (60/944,399) 2007-06-15

[11] **2,684,479**
[13] C
[51] **Int.Cl. C07C 323/52 (2006.01) A61K 31/133 (2006.01) A61K 31/20 (2006.01) A61P 35/00 (2006.01) C07C 215/12 (2006.01)**
[25] EN
[54] **AMINE SALTS OF LIPOIC ACID DERIVATIVE AND USE THEREOF IN THE TREATMENT OF CANCER**
[54] **SELS AMINIQUES DE DERIVE D'ACIDE LIPOIQUE ET UTILISATION DE CEUX-CI DANS LE TRAITEMENT DU CANCER**
[72] SHORR, ROBERT G.L., US
[72] BHASIN, RAJINDER, US
[72] RODRIGUEZ, ROBERT J., US
[73] CORNERSTONE PHARMACEUTICALS, INC., US
[85] 2009-10-16
[86] 2008-04-17 (PCT/US2008/060650)
[87] (WO2008/131114)
[30] US (60/912,605) 2007-04-18

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[11] **2,687,111**
[13] C
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **MULTI-MODAL AUTOMATION FOR HUMAN INTERACTIVE SKILL ASSESSMENT**
[54] **AUTOMATISATION MULTIMODALE POUR UNE EVALUATION INTERACTIVE DE COMPETENCE HUMAINE**
[72] SCHALK, THOMAS BARTON, US
[72] STOVALL, JIMMY LEE, US
[72] BROOKS, WALTER PHILLIP, US
[73] SIRIUS XM CONNECTED VEHICLE SERVICES INC., US
[85] 2009-11-10
[86] 2008-05-09 (PCT/US2008/063139)
[87] (WO2008/141116)
[30] US (60/928,895) 2007-05-11
[30] US (12/116,433) 2008-05-07

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[11] **2,691,054**
[13] C
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/4025 (2006.01) A61P 25/28 (2006.01) C12Q 1/00 (2006.01)**
[25] EN
[54] **COMBINATIONS OF SAP DEPLETING AGENTS AND ANTI-SAP ANTIBODIES**
[54] **COMBINAISONS D'AGENTS D'APPAUVRISSEMENT ET D'ANTICORPS ANTI-SAP**
[72] PEPYS, MARK BRIAN, GB
[73] PENTRAXIN THERAPEUTICS LIMITED, GB
[85] 2009-12-18
[86] 2008-06-27 (PCT/EP2008/058333)
[87] (WO2009/000926)
[30] GB (0712503.2) 2007-06-27

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[11] **2,691,229**
[13] C
[51] **Int.Cl. G06Q 40/04 (2012.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR HIGH SPEED PROCESSING OF FINANCIAL INFORMATION FOR FINANCIAL RECORD MANAGEMENT**
[54] **METHODE ET APPAREIL DE TRAITEMENT HAUTE VITESSE DE RENSEIGNEMENTS FINANCIERS A DES FINS DE GESTION DE DOCUMENTATION FINANCIERE**
[72] PARSONS, SCOTT, US
[72] TAYLOR, DAVID E., US
[72] SCHUEHLER, DAVID VINCENT, US
[72] FRANKLIN, MARK A., US
[72] CHAMBERLAIN, ROGER D., US
[73] IP RESERVOIR, LLC, US
[85] 2009-12-15
[86] 2008-06-13 (PCT/US2008/066929)
[87] (WO2008/157357)
[30] US (11/765,306) 2007-06-19

---

[11] **2,692,569**
[13] C
[51] **Int.Cl. H04L 9/00 (2006.01) H04L 9/32 (2006.01) H04N 21/266 (2011.01)**
[25] EN
[54] **MANAGEMENT AND DELIVERY OF PROFILE DATA**
[54] **GESTION ET SORTIE DE DONNEES DE PROFILS**
[72] MICHEL, WALTER F., US
[73] COMCAST CABLE COMMUNICATIONS, LLC, US
[86] (2692569)
[87] (2692569)
[22] 2010-02-09
[30] US (12/370,426) 2009-02-12

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[11] **2,696,115**
[13] C
[51] **Int.Cl. H01J 49/16 (2006.01) H01J 49/06 (2006.01)**
[25] EN
[54] **LOW PRESSURE ELECTROSPRAY IONIZATION SYSTEM AND PROCESS FOR EFFECTIVE TRANSMISSION OF IONS**
[54] **SYSTEMES D'IONISATION PAR PULVERISATION ELECTROSTATIQUE SOUS FAIBLE PRESSION ET PROCESSUS POUR LA TRANSMISSION EFFECTIVE D'IONS**
[72] TANG, KEQI, US
[72] PAGE, JASON S., US
[72] KELLY, RYAN T., US
[72] SMITH, RICHARD D., US
[73] BATTELLE MEMORIAL INSTITUTE, US
[85] 2010-02-10
[86] 2008-08-25 (PCT/US2008/074238)
[87] (WO2009/042328)
[30] US (11/848,884) 2007-08-31

[11] **2,699,944**
[13] C
[51] **Int.Cl. C12N 15/62 (2006.01) A61K 38/21 (2006.01) A61P 35/00 (2006.01) C07K 14/555 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **TARGETED INTERFERON DEMONSTRATES POTENT APOPTOTIC AND ANTI-TUMOR ACTIVITIES**
[54] **INTERFERON CIBLE MANIFESTANT DES ACTIVITES APOPTOTIQUES ET ANTI-TUMORALES PUISSANTES**
[72] MORRISON, SHERIE L., US
[72] HUANG, TZU-HSUAN, US
[72] XUAN, CAIYUN, US
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2010-03-17
[86] 2008-09-19 (PCT/US2008/077074)
[87] (WO2009/039409)
[30] US (60/994,717) 2007-09-21

[11] **2,700,808**
[13] C
[51] **Int.Cl. A61K 48/00 (2006.01) A61K 9/127 (2006.01) A61K 31/7088 (2006.01) C12N 15/10 (2006.01) C12N 15/88 (2006.01)**
[25] EN
[54] **USE OF LIPOSOMES IN A CARRIER COMPRISING A CONTINUOUS HYDROPHOBIC PHASE FOR DELIVERY OF POLYNUCLEOTIDES IN VIVO**
[54] **UTILISATION DE LIPOSOMES DANS UN VEHICULE COMPOSANT UNE PHASE HYDROPHOBE CONTINUE POUR LA DELIVRANCE DE POLYNUCLEOTIDES IN VIVO**
[72] KARKADA, MOHAN, CA
[72] MANSOUR, MARC, CA
[72] WEIR, GENEVIEVE MARY, CA
[73] IMMUNOVACCINE TECHNOLOGIES INC., CA
[85] 2010-03-25
[86] 2008-09-24 (PCT/CA2008/001678)
[87] (WO2009/039628)
[30] US (60/975,602) 2007-09-27
[30] US (61/061,303) 2008-06-13

[11] **2,702,571**
[13] C
[51] **Int.Cl. H01P 7/06 (2006.01) G12B 1/00 (2006.01) G12B 1/02 (2006.01)**
[25] EN
[54] **MULTIPLE-MEMBRANE FLEXIBLE WALL SYSTEM FOR TEMPERATURE-COMPENSATED TECHNOLOGY FILTERS AND MULTIPLEXERS**
[54] **DISPOSITIF A PAROIS SOUPLES ET A MEMBRANES MULTIPLES POUR DES FILTRES ET MULTIPLEXEURS A TECHNOLOGIE DE COMPENSATION DE TEMPERATURE**
[72] LAGORSSE, JOEL, FR
[72] BLANQUET, MICHEL, FR
[72] HAYARD, EMMANUEL, FR
[73] THALES, FR
[86] (2702571)
[87] (2702571)
[22] 2010-04-30
[30] FR (09 02369) 2009-05-15

[11] **2,704,385**
[13] C
[51] **Int.Cl. G01C 25/00 (2006.01) G01S 19/03 (2010.01) G09B 9/26 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR INTEGRATING A RF GPS EMULATOR IN A SIMULATION ENVIRONMENT**
[54] **METHODE ET DISPOSITIF SERVANT A INTEGRER UN EMULATEUR GPS RF DANS UN ENVIRONNEMENT DE SIMULATION**
[72] CASSE, PATRICE, FR
[73] AIRBUS OPERATIONS, FR
[86] (2704385)
[87] (2704385)
[22] 2010-05-18
[30] FR (0902453) 2009-05-19

[11] **2,705,796**
[13] C
[51] **Int.Cl. A61N 1/04 (2006.01) A61N 1/34 (2006.01) A61N 1/36 (2006.01) A61N 1/375 (2006.01)**
[25] EN
[54] **NERVE STIMULATION PATCHES AND METHODS FOR STIMULATING SELECTED NERVES**
[54] **TIMBRES DE STIMULATION DE NERFS ET METHODES DE STIMULATION DE NERFS SELECTIONNES**
[72] DIUBALDI, ANTHONY, US
[72] TRACEY, MICHAEL R., US
[72] BARE, REX O., US
[72] SARGENT, BRADLEY J., US
[72] WAHLGREN, STEPHEN B., US
[73] ETHICON, INC., US
[85] 2010-05-14
[86] 2008-11-05 (PCT/US2008/082435)
[87] (WO2009/064641)
[30] US (11/941,508) 2007-11-16

[11] **2,708,114**
[13] C
[51] **Int.Cl. H01Q 3/26 (2006.01) H01Q 1/38 (2006.01)**
[25] EN
[54] **BUTLER MATRIX AND BEAM FORMING ANTENNA COMPRISING SAME**
[54] **MATRICE BUTTLER ET ANTENNE A MISE EN FORME DES FAISCEAUX AINSI CONSTITUEE**
[72] SHEN, LIN-PING, CA
[73] COMMUNICATION COMPONENTS ANTENNA INC., CA
[86] (2708114)
[87] (2708114)
[22] 2010-06-18
[30] US (61/218,270) 2009-06-18

[11] **2,708,509**
[13] C
[51] **Int.Cl. H05B 6/08 (2006.01) H05B 6/10 (2006.01)**
[25] EN
[54] **CONTROLLED ELECTRIC INDUCTION HEATING OF AN ELECTRICALLY CONDUCTIVE WORKPIECE IN A SOLENOIDAL COIL WITH FLUX COMPENSATORS**
[54] **CHAUFFAGE PAR INDUCTION ELECTRIQUE CONTROLE D'UNE PIECE A TRAVAILLER DANS UNE BOBINE SOLENOIDE AVEC COMPENSATEURS DE FLUX**
[72] RUDNEV, VALERY I., US
[72] LOVELESS, DON L., US
[73] INDUCTOHEAT, INC., US
[85] 2010-06-08
[86] 2008-12-26 (PCT/US2008/088379)
[87] (WO2009/086488)
[30] US (61/017,111) 2007-12-27

[11] **2,710,272**
[13] C
[51] **Int.Cl. G01N 21/77 (2006.01)**
[25] EN
[54] **COATED WAVEGUIDE FOR OPTICAL DETECTION**
[54] **GUIDE D'ONDES REVETU DE DETECTION OPTIQUE**
[72] BOERSMA, ARJEN, NL
[72] TEERLING, TATIANA JOHANNA JUDITH, NL
[72] PANKEN, THEODORUS HENRICUS CORNELUS, NL
[72] CHENG, LUN KAI, NL
[73] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL
[85] 2010-06-18
[86] 2008-12-19 (PCT/NL2008/050823)
[87] (WO2009/082213)
[30] EP (07150214.0) 2007-12-20

[11] **2,710,383**
[13] C
[51] **Int.Cl. C09D 5/02 (2006.01) C09D 201/00 (2006.01)**
[25] EN
[54] **COATING COMPOSITION EXHIBITING REDUCED BLOCK, RAPID DRY RATE AND RELATED METHOD**
[54] **COMPOSITION DE REVETEMENT MOINS BLOQUANTE A SECHAGE RAPIDE, ET METHODE CONNEXE**
[72] STUART, JONATHAN T., US
[72] LENDER, ARIEL, US
[73] HENRY COMPANY LLC, US
[86] (2710383)
[87] (2710383)
[22] 2010-07-20
[30] US (61/238,246) 2009-08-31

[11] **2,711,862**
[13] C
[51] **Int.Cl. A61K 33/30 (2006.01) A61K 9/06 (2006.01) A61K 31/355 (2006.01) A61K 31/375 (2006.01) A61K 31/4415 (2006.01) A61K 31/455 (2006.01) A61K 31/51 (2006.01) A61K 31/525 (2006.01) A61K 31/593 (2006.01) A61K 31/714 (2006.01) A61K 33/24 (2006.01) A61K 47/36 (2006.01) A61P 3/00 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **COMPOSITION FOR IMPROVING NUTRITIONAL STATUS OF THE ELDERLY, REDUCING FREQUENCY OF FEVER OF THE ELDERLY AND/OR INCREASING IMMUNOCOMPETENCE OF THE ELDERLY**
[54] **COMPOSITION SERVANT A AMELIORER L'ETAT NUTRITIONNEL DES PERSONNES AGEES, A REDUIRE LA FREQUENCE DE LA FIEVRE CHEZ LES PERSONNES AGEES OU A AUGMENTER L'IMMUNOCOMPETENCE DES PERSONNES AGEES**
[72] KAWAGUCHI, SUSUMU, JP
[73] NUTRI CO., LTD., JP
[85] 2010-07-09
[86] 2009-01-06 (PCT/JP2009/050018)
[87] (WO2009/087987)
[30] JP (2008-003072) 2008-01-10

[11] **2,715,520**
[13] C
[51] **Int.Cl. F16L 37/28 (2006.01) F16L 37/086 (2006.01) F16L 37/38 (2006.01)**
[25] FR
[54] **QUICK CONNECTOR**
[54] **RACCORD RAPIDE**
[72] TIBERGHIEN, ALAIN-CHRISTOPHE, FR
[72] PASTORE, OLIVIER, FR
[73] STAUBLI FAVERGES, FR
[86] (2715520)
[87] (2715520)
[22] 2010-09-28
[30] FR (09 56861) 2009-10-01

[11] **2,715,750**
[13] C
[51] **Int.Cl. F16L 37/28 (2006.01) F16L 37/086 (2006.01) F16L 37/38 (2006.01)**
[25] FR
[54] **FEMALE QUICK-COUPLING DEVICE AND QUICK COUPLING INCORPORATING SUCH A DEVICE**
[54] **ELEMENT FEMELLE DE RACCORD RAPIDE ET RACCORD RAPIDE INCORPORANT UN TEL ELEMENT**
[72] TIBERGHIEN, ALAIN-CHRISTOPHE, FR
[72] RAVAZ, MAURICE, FR
[72] PASTORE, OLIVIER, FR
[73] STAUBLI FAVERGES, FR
[86] (2715750)
[87] (2715750)
[22] 2010-09-28
[30] FR (09 56862) 2009-10-01

[11] **2,715,911**
[13] C
[51] **Int.Cl. B60P 1/43 (2006.01) B62D 25/22 (2006.01)**
[25] EN
[54] **DEPLOYABLE RAMP ASSEMBLY**
[54] **RAMPE DEPLOYABLE**
[72] FONTAINE, YVES, CA
[72] MORIN, MICHEL, CA
[73] FEDICO, CA
[86] (2715911)
[87] (2715911)
[22] 2010-09-28
[30] US (12/579,619) 2009-10-15

[11] **2,716,306**
[13] C
[51] **Int.Cl. F25B 49/02 (2006.01)**
[25] EN
[54] **OUTDOOR FAN AND INDOOR BLOWER CONTROLLER FOR HEATING, VENTILATION AND AIR CONDITIONING SYSTEM AND METHOD OF OPERATION THEREOF**
[54] **CONTROLEUR DE VENTILATEURS EXTERIEUR ET INTERIEUR D'UN SYSTEME DE CHAUFFAGE, VENTILATION ET CONDITIONNEMENT D'AIR ET METHODE D'UTILISATION DUDIT CONTROLEUR**
[72] CHAMORRO, CARLOS O., US
[72] HUNDT, ROGER C., US
[72] STACHLER, JOHN P., US
[72] WALTER, STEPHEN A., US
[73] LENNOX INDUSTRIES INC., US
[86] (2716306)
[87] (2716306)
[22] 2010-10-04
[30] US (12/694,392) 2010-01-27

---

[11] **2,716,337**
[13] C
[51] **Int.Cl. C12M 1/24 (2006.01) B01L 7/00 (2006.01) C12M 1/38 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **THERMOCYCLER AND SAMPLE VESSEL FOR RAPID AMPLIFICATION OF DNA**
[54] **THERMOCYCLEUR ET RECIPIENT A ECHANTILLONS POUR L'AMPLIFICATION RAPIDE DE L'ADN**
[72] TERMAAT, JOEL R., US
[72] VILJOEN, HENDRIK J., US
[72] WHITNEY, SCOTT E., US
[73] STRECK, INC., US
[85] 2010-08-20
[86] 2009-02-19 (PCT/US2009/034446)
[87] (WO2009/105499)
[30] US (61/066,365) 2008-02-20

---

[11] **2,717,914**
[13] C
[51] **Int.Cl. C09B 49/12 (2006.01) A61K 8/49 (2006.01) A61Q 5/06 (2006.01) A61Q 5/10 (2006.01) C09B 62/78 (2006.01)**
[25] EN
[54] **HAIR TREATMENT COMPOSITION AND METHODS**
[54] **COMPOSITION ET PROCEDES DE TRAITEMENT CAPILLAIRE**
[72] HAWKES, JAMIE ANTHONY, GB
[72] LEWIS, DAVID MALCOLM, GB
[72] GAUCHE, CELINE, GB
[73] PERACHEM LIMITED, GB
[85] 2010-09-08
[86] 2009-03-10 (PCT/GB2009/050233)
[87] (WO2009/112858)
[30] GB (0804301.0) 2008-03-10
[30] GB (0816943.5) 2008-09-16

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[11] **2,718,124**
[13] C
[51] **Int.Cl. C10G 47/36 (2006.01) C10G 47/10 (2006.01)**
[25] FR
[54] **PROCESS FOR CONVERSION OF RESIDUE EMPLOYING MOVING BED TECHNOLOGY AND BUBBLING BED TECHNOLOGY**
[54] **PROCEDE DE CONVERSION DE RESIDU INTEGRANT UNE TECHNOLOGIE LIT MOBILE ET UNE TECHNOLOGIE LIT BOUILLONNANT**
[72] MOREL, FREDERIC, FR
[73] IFP ENERGIES NOUVELLES, FR
[86] (2718124)
[87] (2718124)
[22] 2010-10-20
[30] FR (09/05.108) 2009-10-23

---

[11] **2,719,400**
[13] C
[51] **Int.Cl. C07K 16/22 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **ANTI-VEGF ANTIBODY**
[54] **ANTICORPS DIRIGE CONTRE LE FACTEUR DE CROISSANCE DE L'ENDOTHELIUM VASCULAIRE**
[72] KE, YAOHUANG, US
[72] ZHU, WEIMIN, US
[72] YU, GUO-LIANG, US
[73] EPITOMICS, INC., US
[85] 2010-09-23
[86] 2008-10-08 (PCT/US2008/011620)
[87] (WO2009/120178)
[30] US (61/039,719) 2008-03-26

---

[11] **2,724,886**
[13] C
[51] **Int.Cl. A61K 39/395 (2006.01) A61N 7/00 (2006.01) C12N 1/06 (2006.01) C12N 13/00 (2006.01)**
[25] EN
[54] **METHODS, COMPOSITIONS AND APPARATUSES FOR FACILITATING REGENERATION**
[54] **PROCEDES, COMPOSITIONS ET APPAREIL FACILITANT LA REGENERATION**
[72] GRUBER, LEWIS S., US
[73] SIWA CORPORATION, US
[85] 2010-11-18
[86] 2009-05-22 (PCT/US2009/044951)
[87] (WO2009/143411)
[30] US (61/055,846) 2008-05-23

[11] 2,726,571
[13] C
[25] EN
[54] **METHOD FOR DETECTING HUMAN METAPNEUMOVIRUS AND OTHER RESPIRATORY VIRAL AGENTS IN A TEST SAMPLE**
[54] **METHODE DE DETECTION DE METAPNEUMOVIRUS HUMAIN ET D'AUTRES AGENTS VIRAUX RESPIRATOIRES DANS UN ECHANTILLON DE TEST**
[72] VILLAHERMOSA JAEN, MARIA L., ES
[72] MOSCOSO DEL PRADO, JUAN, ES
[72] ALEMAN, AINEL, ES
[73] GENOMICA S.A.U., ES
[85] 2010-11-30
[86] 2009-05-27 (PCT/GB2009/050574)
[87] (WO2009/144497)
[30] GB (0809881.6) 2008-05-30

---

[11] 2,727,586
[13] C
[51] **Int.Cl. B24B 7/18 (2006.01) B24D 15/00 (2006.01)**
[25] EN
[54] **DRYWALL SPONGE SANDER**
[54] **EPONGE DE PONCAGE POUR CLOISON SECHE**
[72] ARVINTE, ROMEO, CA
[72] PANFILI, FRANCOIS, CA
[73] A. RICHARD TOOLS CO./ OUTILS A. RICHARD CO., CA
[86] (2727586)
[87] (2727586)
[22] 2011-01-10
[30] US (61/293,386) 2010-01-08

---

[11] 2,727,687
[13] C
[51] **Int.Cl. G06T 7/70 (2017.01) G06T 17/05 (2011.01)**
[25] EN
[54] **SPATIAL PREDICTIVE APPROXIMATION AND RADIAL CONVOLUTION**
[54] **APPROXIMATION PREDICTIVE SPATIALE ET CONVOLUTION RADIALE**
[72] LANGDON, SIMON, AU
[73] EYEFI PTY LTD, AU
[85] 2010-12-10
[86] 2009-06-16 (PCT/AU2009/000769)
[87] (WO2009/152567)
[30] AU (2008903046) 2008-06-16

---

[11] 2,727,709
[13] C
[51] **Int.Cl. C07H 19/14 (2006.01) C07H 19/10 (2006.01) C07H 19/20 (2006.01)**
[25] EN
[54] **NUCLEOTIDES AND NUCLEOSIDES AND METHODS FOR THEIR USE IN DNA SEQUENCING**
[54] **NUCLEOTIDES ET NUCLEOSIDES ET PROCEDES POUR LEUR UTILISATION DANS LE SEQUENCAGE DE L'ADN**
[72] LITOSH, VLADISLAV A., US
[72] HERSH, MEGAN N., US
[72] STUPI, BRIAN P., US
[72] WU, WEIDONG, US
[72] METZKER, MICHAEL L., US
[73] LASERGEN, INC., US
[85] 2010-12-10
[86] 2009-06-11 (PCT/US2009/047071)
[87] (WO2009/152353)
[30] US (61/060,795) 2008-06-11
[30] US (61/184,779) 2009-06-05

---

[11] 2,729,160
[13] C
[51] **Int.Cl. C12N 9/52 (2006.01) A01N 63/02 (2006.01) A01P 1/00 (2006.01) A61K 35/76 (2015.01) A61K 38/47 (2006.01) A61P 31/04 (2006.01) C12P 13/08 (2006.01)**
[25] EN
[54] **A CHIMERIC BACTERIOPHAGE LYSIN WITH ACTIVITY AGAINST STAPHYLOCOCCI BACTERIA**
[54] **LYSINE CHIMERIQUE DE BACTERIOPHAGE PRESENTANT UNE ACTIVITE CONTRE LES BACTERIES STAPHYLOCOQUES**
[72] FISCHETTI, VINCENT A., US
[72] DANIEL, ANU, US
[72] EULER, CHAD, US
[73] THE ROCKEFELLER UNIVERSITY, US
[85] 2010-12-22
[86] 2009-07-01 (PCT/US2009/049349)
[87] (WO2010/002959)
[30] US (61/078,277) 2008-07-03

---

[11] 2,730,982
[13] C
[51] **Int.Cl. G06F 17/00 (2006.01) G01N 35/00 (2006.01)**
[25] EN
[54] **METHODS, STORAGE MEDIUMS, AND SYSTEMS FOR CONFIGURING CLASSIFICATION REGIONS WITHIN A CLASSIFICATION MATRIX OF AN ANALYSIS SYSTEM AND FOR CLASSIFYING PARTICLES OF AN ASSAY**
[54] **PROCEDES, SUPPORTS DE STOCKAGE, ET SYSTEMES POUR CONFIGURER DES ZONES DE CLASSIFICATION DANS UNE MATRICE DE CLASSIFICATION D'UN SYSTEME D'ANALYSE ET POUR CLASSIFIER DES PARTICULES D'UN DOSAGE**
[72] ROTH, WAYNE D., US
[73] LUMINEX CORPORATION, US
[85] 2011-01-17
[86] 2009-07-17 (PCT/US2009/051039)
[87] (WO2010/009424)
[30] US (61/081,558) 2008-07-17

---

[11] 2,732,368
[13] C
[51] **Int.Cl. B01J 13/14 (2006.01) A01N 25/28 (2006.01) A61K 8/11 (2006.01) A61K 9/50 (2006.01)**
[25] EN
[54] **MICROCAPSULES COMPRISING ACTIVE INGREDIENTS AND A METAL OXIDE SHELL, A METHOD FOR THEIR PREPARATION AND USES THEREOF**
[54] **MICROCAPSULES COMPORTANT DES PRINCIPES ACTIFS ET UN ENROBAGE D'OXYDE METALLIQUE, LEUR PROCEDE DE PREPARATION ET LEURS UTILISATIONS**
[72] TOLEDANO, OFER, IL
[72] SERTCHOOK, HANAN, IL
[72] LOBODA, NATALIA, IL
[72] ABU-REZIQ, RAED, IL
[73] SOL-GEL TECHNOLOGIES LTD., IL
[85] 2011-01-27
[86] 2009-08-02 (PCT/IL2009/000751)
[87] (WO2010/013250)
[30] US (61/085,255) 2008-07-31

[11] **2,732,668**
[13] C
[51] **Int.Cl. B60W 10/08 (2006.01) B60W 10/101 (2012.01) F16H 61/664 (2006.01)**
[25] EN
[54] **METHODS FOR CONTROL OF TRANSMISSION AND PRIME MOVER**
[54] **PROCEDES DE COMMANDE D'UNE TRANSMISSION ET/OU D'UNE MACHINE MOTRICE**
[72] KEILERS, CYRIL, US
[72] ROGERS, DAVID, US
[72] DIEHL, ERIC, US
[72] ORAND, AUSTIN, US
[72] BARTHOLOMEW, MARK EDWARD, US
[72] VASILIOTIS, CHRISTOPHER M., US
[72] MCDANIEL, LOREN T., US
[72] CARTER, JEREMY, US
[73] FALLBROOK INTELLECTUAL PROPERTY COMPANY LLC, US
[85] 2011-01-31
[86] 2009-08-04 (PCT/US2009/052761)
[87] (WO2010/017242)
[30] US (61/086,366) 2008-08-05

[11] **2,735,928**
[13] C
[51] **Int.Cl. G01R 31/327 (2006.01)**
[25] EN
[54] **ELECTRICAL SWITCHING APPARATUS INCLUDING A TRIP COIL OPEN CIRCUIT TEST CIRCUIT AND SYSTEM INCLUDING THE SAME**
[54] **APPAREIL D'INTERRUPTION ELECTRIQUE COMPRENANT UN CIRCUIT DE CONTROLE EN CIRCUIT OUVERT DE BOBINE DE DECLENCHEMENT, ET SYSTEME LE COMPRENANT**
[72] ELMS, ROBERT T., US
[72] MURPHY, WILLIAM J., US
[73] EATON CORPORATION, US
[85] 2011-03-03
[86] 2009-09-07 (PCT/IB2009/006778)
[87] (WO2010/026481)
[30] US (12/206,194) 2008-09-08

[11] **2,736,512**
[13] C
[51] **Int.Cl. C08F 220/06 (2006.01) C08F 2/00 (2006.01) C08F 220/56 (2006.01) C08L 33/26 (2006.01)**
[25] EN
[54] **COPOLYMER BLEND COMPOSITIONS FOR USE TO INCREASE PAPER FILLER CONTENT**
[54] **COMPOSITIONS DE MELANGES DE COPOLYMERES DESTINEES A ETRE UTILISEES POUR AUGMENTER LA TENEUR EN CHARGE POUR PAPIER**
[72] SUTMAN, FRANK J., US
[72] MAHONEY, JOSEPH M., US
[72] GILL, ROBERT ANTHONY, US
[72] EVANS, DANIEL BRUCE, US
[73] SPECIALTY MINERALS (MICHIGAN) INC., US
[73] SOLENIS TECHNOLOGIES CAYMAN, L.P., CH
[85] 2011-03-08
[86] 2009-09-18 (PCT/US2009/057468)
[87] (WO2010/033796)
[30] US (61/192,891) 2008-09-22

[11] **2,736,861**
[13] C
[51] **Int.Cl. C07D 475/04 (2006.01) A61K 31/519 (2006.01)**
[25] EN
[54] **18F-LABELLED FOLATES AS PET RADIOTRACERS**
[54] **FOLATES MARQUES AU 18F EN TANT QUE RADIOTRACEURS DE TEP**
[72] SCHIBLI, ROGER, CH
[72] MOSER, RUDOLF, CH
[72] MUELLER, CRISTINA MAGDALENA, CH
[72] AMETAMEY, SIMON MENSAH, CH
[72] ROSS, TOBIAS LUDWIG, CH
[72] GROEHN, VIOLA, CH
[73] MERCK & CIE, CH
[85] 2011-03-04
[86] 2009-10-12 (PCT/EP2009/063258)
[87] (WO2010/040854)
[30] EP (08166356.9) 2008-10-10

[11] **2,737,045**
[13] C
[51] **Int.Cl. A61K 47/12 (2006.01) A61K 9/00 (2006.01) A61K 39/395 (2006.01) A61K 47/14 (2017.01) A61K 47/26 (2006.01)**
[25] EN
[54] **THERAPEUTIC PROTEIN FORMULATIONS**
[54] **FORMULATIONS DE PROTEINE THERAPEUTIQUE**
[72] KABAKOFF, BRUCE, US
[72] NELSON, DAREN, US
[72] OUYANG, JUN, US
[72] SWARTZ, TREVOR, ELI, US
[73] GENENTECH, INC., US
[85] 2011-03-11
[86] 2009-11-19 (PCT/US2009/065084)
[87] (WO2010/059787)
[30] US (61/116,541) 2008-11-20

[11] **2,738,129**
[13] C
[51] **Int.Cl. C12N 15/09 (2006.01) C07K 1/22 (2006.01)**
[25] EN
[54] **APTAMER FOR NGF AND USE THEREOF**
[54] **APTAMERE POUR LE NGF ET SES UTILISATIONS**
[72] JIN, LING, JP
[72] MIYAKAWA, SHIN, JP
[72] FUJIWARA, MASATOSHI, JP
[72] NAKAMURA, YOSHIKAZU, JP
[72] HIRAMATSU, HISANAO, JP
[73] RIBOMIC INC., JP
[73] FUJIMOTO PHARMACEUTICAL CORPORATION, JP
[85] 2011-03-22
[86] 2009-09-18 (PCT/JP2009/066457)
[87] (WO2010/035725)
[30] JP (2008-244982) 2008-09-24

[11] **2,738,416**
[13] C
[51] **Int.Cl. A47C 27/07 (2006.01) A47C 31/02 (2006.01) B68G 7/00 (2006.01)**
[25] EN
[54] **MATTRESS CORE**
[54] **AME DE MATELAS**
[72] MANTZIS, GEORGE, AU
[72] MANTZIS, KONSTANTINOS, AU
[73] MANTZIS HOLDINGS PTY LTD., AU
[86] (2738416)
[87] (2738416)
[22] 2011-04-28
[30] US (61/329349) 2010-04-29
[30] US (61/329770) 2010-04-30

[11] **2,739,096**
[13] C
[51] **Int.Cl. H02J 13/00 (2006.01) G01R 1/28 (2006.01) H02G 7/00 (2006.01) H02G 15/00 (2006.01) H02H 3/00 (2006.01)**
[25] EN
[54] **OVERHEAD COMMUNICATING DEVICE**
[54] **DISPOSITIF DE COMMUNICATION AERIEN**
[72] BANTING, JOHN FREDERICK, US
[72] HAENSGEN, GREGG JAMES, US
[72] MCBEE, BRUCE W., US
[73] COOPER TECHNOLOGIES COMPANY, US
[85] 2011-03-30
[86] 2009-10-05 (PCT/US2009/059553)
[87] (WO2010/042442)
[30] US (61/103,603) 2008-10-08

---

[11] **2,739,184**
[13] C
[51] **Int.Cl. H04B 7/155 (2006.01) H01Q 7/00 (2006.01)**
[25] EN
[54] **MULTI-BAND WIRELESS REPEATERS**
[54] **REPETEURS SANS FIL MULTIBANDE**
[72] DEMARCO, ANTHONY, US
[72] JOHNSON, GREGORY F., US
[73] CELLYNX, INC., US
[85] 2011-03-21
[86] 2009-09-22 (PCT/US2009/057842)
[87] (WO2010/033990)
[30] US (12/235,313) 2008-09-22

---

[11] **2,740,146**
[13] C
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 31/19 (2006.01) A61J 3/10 (2006.01)**
[25] EN
[54] **IMMEDIATE RELEASE DOSAGE FORMS OF SODIUM OXYBATE**
[54] **FORMES POSOLOGIQUES A LIBERATION IMMEDIATE D'OXYBATE DE SODIUM**
[72] ROURKE, ANDREA, US
[72] ALLPHIN, CLARK, US
[72] MURPHY, MAURA, US
[73] JAZZ PHARMACEUTICALS, INC., US
[85] 2011-04-08
[86] 2009-10-20 (PCT/US2009/061312)
[87] (WO2010/053691)
[30] US (12/264,709) 2008-11-04

---

[11] **2,744,253**
[13] C
[51] **Int.Cl. G04G 3/00 (2006.01) H04W 56/00 (2009.01) G01S 19/24 (2010.01) G04G 3/04 (2006.01) H03K 5/135 (2006.01) H03M 5/00 (2006.01)**
[25] EN
[54] **AN APPARATUS AND METHOD FOR GENERATING A TIMING SIGNAL**
[54] **APPAREIL ET PROCEDE POUR GENERER UN SIGNAL DE SYNCHRONISATION**
[72] YENSEN, TREVOR NOEL, CA
[72] HALPIN, RYAN SHAWN, CA
[72] LARIVIERE, JEFFREY, CA
[73] ALLEN-VANGUARD CORPORATION, CA
[85] 2011-05-19
[86] 2010-03-09 (PCT/CA2010/000309)
[87] (WO2010/102382)
[30] US (61/158,914) 2009-03-10

---

[11] **2,744,866**
[13] C
[51] **Int.Cl. A61M 5/315 (2006.01)**
[25] EN
[54] **MEDICATION DELIVERY DEVICE AND METHOD FOR OPERATING A MEDICATION DELIVERY DEVICE**
[54] **DISTRIBUTEUR DE MEDICAMENT ET PROCEDE DE FONCTIONNEMENT D'UN DISTRIBUTEUR DE MEDICAMENT**
[72] BOYD, MALCOLM, GB
[72] VEASEY, ROBERT, GB
[72] PLUMPTRE, DAVID, GB
[73] SANOFI-AVENTIS DEUTSCHLAND GMBH, DE
[85] 2011-05-26
[86] 2009-12-01 (PCT/EP2009/066129)
[87] (WO2010/063707)
[30] EP (08020871.3) 2008-12-02
[30] US (12/326,133) 2008-12-02

---

[11] **2,746,264**
[13] C
[51] **Int.Cl. C07D 403/14 (2006.01) A61K 31/437 (2006.01) A61P 31/12 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **NEW 4-AMINO-4-OXOBUTANOYL PEPTIDES AS INHIBITORS OF VIRAL REPLICATION**
[54] **NOUVEAUX PEPTIDES 4-AMINO-4-OXOBUTANOYL UTILES EN TANT QU'INHIBITEURS DE LA REPLICATION VIRALE**
[72] PHADKE, AVINASH, US
[72] CHEN, DAWEI, US
[72] GADHACHANDA, VENKAT, US
[72] HASHIMOTO, AKIHIRO, US
[72] PAIS, GODWIN, US
[72] WANG, XIANGZHU, US
[72] AGARWAL, ATUL, US
[72] KIM, HA YOUNG, US
[72] LI, SHOUMING, US
[72] LIU, CUIXIAN, US
[72] ZHANG, SUOMING, US
[72] DESHPANDE, MILIND, US
[73] ACHILLION PHARMACEUTICALS, INC., US
[85] 2011-06-08
[86] 2009-12-10 (PCT/US2009/067506)
[87] (WO2010/068760)
[30] US (61/121,378) 2008-12-10
[30] US (61/226,317) 2009-07-17

[11] **2,748,266**
[13] C
[51] **Int.Cl. H04L 29/14 (2006.01) H04W 24/04 (2009.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ENABLING END-USER EQUIPMENT AT AN END-USER PREMISE TO EFFECT COMMUNICATIONS WHEN AN ABILITY OF THE END-USER EQUIPMENT TO COMMUNICATE VIA A COMMUNICATION LINK CONNECTING THE END-USER EQUIPMENT TO A COMMUNICATIONS NETWORK IS DISRUPTED**
[54] **PROCEDES ET SYSTEMES POUR ACTIVER UN EQUIPEMENT D'UTILISATEUR FINAL AU NIVEAU D'UN LOCAL D'UTILISATEUR FINAL POUR EFFECTUER DES COMMUNICATIONS LORSQU'UNE CAPACITE DE L'EQUIPEMENT D'UTILISATEUR FINAL A COMMUNIQUER PAR L'INTERMEDIAIRE D'UNE LIAISON DE COMMUNICATION CONNECTANT L'EQUIPEMENT D'UTILISATEUR FINAL A UN RESEAU DE COMMUNICATION EST PERTURBEE**
[72] ARSENAULT, JONATHAN ALLAN, CA
[72] CLARK, DAVID WILLIAM, CA
[72] MURRAY, SEAN MACLEAN, CA
[72] WOLF, ERIC JOHN, CA
[73] BCE INC., CA
[85] 2011-06-23
[86] 2008-12-23 (PCT/CA2008/002282)
[87] (WO2010/071961)

---

[11] **2,749,982**
[13] C
[51] **Int.Cl. C10B 51/00 (2006.01) F26B 3/18 (2006.01) F26B 25/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR BIOMASS FRACTIONING**
[54] **SYSTEME ET PROCEDE DE FRACTIONNEMENT DE LA BIOMASSE**
[72] CHEIKY, MICHAEL C., US
[73] COOL PLANET ENERGY SYSTEMS, INC., US
[85] 2011-07-18
[86] 2010-01-15 (PCT/US2010/021207)
[87] (WO2010/085430)
[30] US (61/146,079) 2009-01-21

---

[11] **2,750,322**
[13] C
[51] **Int.Cl. F16C 7/02 (2006.01)**
[25] EN
[54] **CONNECTING ROD**
[54] **BIELLE**
[72] KNUDSEN, JULIAN R., US
[72] BORTH, DAVID T., US
[72] SEABERG, WAYNE G., US
[73] DRESSER, INC., US
[85] 2011-07-20
[86] 2010-03-31 (PCT/US2010/029427)
[87] (WO2010/120528)
[30] US (12/415,665) 2009-03-31

---

[11] **2,753,138**
[13] C
[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/24 (2006.01)**
[25] EN
[54] **MEDICAL MODULE FOR DRUG DELIVERY PEN**
[54] **MODULE MEDICAL POUR STYLO DE DISTRIBUTION DE MEDICAMENTS**
[72] KRULEVITCH, PETER, US
[72] WILK, ROBERT, US
[72] KRAFT, ULRICH, DE
[72] SAVAGE, DONNA, US
[72] FOLEY, NICK, GB
[72] GLENCROSS, JAMES, GB
[72] SHEPHERD, DAVID, GB
[72] SIEH, ZARA, US
[73] LIFESCAN, INC., US
[85] 2011-08-19
[86] 2010-01-27 (PCT/US2010/022236)
[87] (WO2010/098927)
[30] US (61/156,386) 2009-02-27
[30] US (61/156,421) 2009-02-27
[30] US (61/156,472) 2009-02-27
[30] US (61/164,250) 2009-03-27

---

[11] **2,755,821**
[13] C
[51] **Int.Cl. C07K 16/10 (2006.01) A61K 39/118 (2006.01) A61K 39/39 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **HUMAN IMMUNODEFICIENCY VIRUS (HIV)-NEUTRALIZING ANTIBODIES**
[54] **ANTICORPS NEUTRALISANT LE VIRUS D'IMMUNODEFICIENCE HUMAINE (VIH)**
[72] CHAN-HUI, PO-YING, US
[72] MITCHAM, JENNIFER, US
[72] OLSEN, OLE, US
[72] FREY, STEVEN, US
[72] MOYLE, MATTHEW, US
[72] PHOGAT, SANJAY K., US
[72] BURTON, DENNIS R., US
[72] WALKER, LAURA MARJORIE, US
[72] POIGNARD, PASCAL RAYMOND GEORGES, US
[72] DE JEAN DE ST. MARCEL SIMEK-LEMOS, MELISSA DANIELLE, US
[72] KOFF, WAYNE, US
[72] KAMINSKY, STEPHEN, US
[73] THERACLONE SCIENCES, INC., US
[73] INTERNATIONAL AIDS VACCINE INITIATIVE, US
[73] THE SCRIPPS RESEARCH INSTITUTE, US
[85] 2011-09-16
[86] 2010-03-17 (PCT/US2010/027695)
[87] (WO2010/107939)
[30] US (61/161,010) 2009-03-17
[30] US (61/165,829) 2009-04-01
[30] US (61/224,739) 2009-07-10
[30] US (61/285,664) 2009-12-11

[11] **2,756,300**
[13] C
[51] **Int.Cl. G01N 21/64 (2006.01) G06F 19/20 (2011.01) G01N 25/04 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATED MELTING CURVE ANALYSIS**
[54] **SYSTEMES ET PROCEDES D'ANALYSE DE COURBE DE FUSION AUTOMATIQUE**
[72] ROBBINS, THOMAS CHARLES, US
[72] PALAIS, ROBERT ANDREW, US
[72] WITTWER, CARL THOMAS, US
[73] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US
[73] BIOFIRE DEFENSE, LLC, US
[85] 2011-09-21
[86] 2010-05-14 (PCT/US2010/034969)
[87] (WO2010/132813)
[30] US (61/178,886) 2009-05-15

---

[11] **2,756,649**
[13] C
[51] **Int.Cl. A01N 37/44 (2006.01) A01N 53/00 (2006.01) A01N 57/14 (2006.01) A01N 57/16 (2006.01) A01P 7/00 (2006.01)**
[25] EN
[54] **TOPICAL PESTICIDE COMPOSITIONS COMPRISING AZAMETHIPHOS AND EITHER CYPERMETHRIN OR DELTAMETHRIN TO COMBAT ECTOPARASITES ON FISH**
[54] **COMPOSITONS DE PESTICIDE TOPIQUE RENFERMANT DE L'AZAMETHIPHOS ET DE LA CYPERMETHRINE OU DE LA DELTAMETHRINE EN VUE DE COMBATTRE LES ECTOPARASITES SUR LES POISSONS**
[72] JOHANNESSEN, BAARD, NO
[73] NETTFORSK AS, NO
[85] 2011-09-23
[86] 2010-03-25 (PCT/GB2010/000569)
[87] (WO2010/109198)
[30] GB (0905165.7) 2009-03-25

---

[11] **2,757,002**
[13] C
[51] **Int.Cl. B65G 53/22 (2006.01)**
[25] EN
[54] **METHOD AND MEANS FOR FEEDING FLUIDISABLE MATERIALS**
[54] **PROCEDE ET MOYEN D'ALIMENTATION EN MATERIAUX FLUIDISABLES**
[72] KARLSEN, MORTEN, NO
[72] DYROEY, ARE, NO
[72] OEREN, TORE, NO
[73] NORSK HYDRO ASA, NO
[85] 2011-09-27
[86] 2010-03-26 (PCT/NO2010/000114)
[87] (WO2010/114382)
[30] NO (20091305) 2009-03-30

---

[11] **2,759,673**
[13] C
[51] **Int.Cl. F16L 1/00 (2006.01)**
[25] EN
[54] **STRUCTURAL DUCT BEARING SYSTEM**
[54] **SYSTEME DE SUPPORT STRUCTURAL DE CONDUITES**
[72] GOMES FERNANDES, PAULO ROBERTO, BR
[73] GOMES FERNANDES, PAULO ROBERTO, BR
[85] 2011-10-21
[86] 2010-05-14 (PCT/BR2010/000155)
[87] (WO2010/132966)
[30] BR (PI0904280-6) 2009-05-20

---

[11] **2,759,796**
[13] C
[51] **Int.Cl. A01B 1/02 (2006.01) B25D 1/16 (2006.01)**
[25] EN
[54] **AN IMPACT TOOL**
[54] **PERCUTEUR**
[72] WALSH, OLIVER, IE
[72] WALSH, PAUL, IE
[73] EASY TOOL LIMITED, IE
[85] 2011-10-21
[86] 2010-04-21 (PCT/IE2010/000024)
[87] (WO2010/122539)
[30] IE (2009/0315) 2009-04-22

---

[11] **2,760,237**
[13] C
[51] **Int.Cl. A61M 5/20 (2006.01)**
[25] EN
[54] **AUTOMATIC INJECTION DEVICE AND PLUNGER FOR SAME**
[54] **DISPOSITIF D'INJECTION AUTOMATIQUE ET PISTON ASSOCIE**
[72] SHANG, SHERWIN S., US
[72] OZDARYAL, ESRA, US
[72] PLEW, MARC M., US
[72] SZECHINSKI, WILLIAM P., US
[73] ABBVIE BIOTECHNOLOGY LTD., BM
[85] 2011-10-27
[86] 2010-04-29 (PCT/US2010/033012)
[87] (WO2010/127146)
[30] US (61/173,952) 2009-04-29
[30] US (61/286,766) 2009-12-15

---

[11] **2,760,411**
[13] C
[51] **Int.Cl. B66B 7/08 (2006.01)**
[25] EN
[54] **SUSPENSION ANCHORING IN AN ELEVATOR SYSTEM**
[54] **SYSTEME DE FIXATION D'ORGANE DE SUSPENSION DANS UNE INSTALLATION D'ASCENSEUR**
[72] ARAKI YASSUDA, SERGIO, BR
[73] INVENTIO AG, CH
[85] 2011-10-28
[86] 2010-05-18 (PCT/EP2010/056820)
[87] (WO2010/136359)
[30] EP (09161013.9) 2009-05-25

---

[11] **2,762,654**
[13] C
[51] **Int.Cl. A23L 3/005 (2006.01)**
[25] EN
[54] **ELECTROMAGNETIC SYSTEM**
[54] **SYSTEME ELECTROMAGNETIQUE**
[72] DROZD, JAMES MICHAEL, US
[73] ASEPTIA, INC., US
[85] 2011-07-08
[86] 2009-09-20 (PCT/US2009/057603)
[87] (WO2010/039466)
[30] US (61/099,434) 2008-09-23

[11] **2,762,832**
[13] C
[51] **Int.Cl. B01J 23/745 (2006.01)**
[25] FR
[54] **CATALYST FOR REFORMING TAR USED IN THE STEAM GASIFICATION OF BIOMASS**
[54] **CATALYSEURS POUR LE REFORMAGE DE GOUDRONS UTILISABLES DANS LA VAPOGAZEIFICATON DE LA BIOMASSE**
[72] KIENNEMANN, ALAIN, FR
[72] COURSON, CLAIRE, FR
[72] VIRGINIE, MIRELLA, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S.), FR
[73] UNIVERSITE DE STRASBOURG, FR
[85] 2011-11-18
[86] 2010-05-19 (PCT/FR2010/050962)
[87] (WO2010/133801)
[30] FR (0953376) 2009-05-20

---

[11] **2,762,847**
[13] C
[51] **Int.Cl. A61M 5/31 (2006.01)**
[25] EN
[54] **SYRINGE ADAPTER**
[54] **ADAPTATEUR DE SERINGUE**
[72] THORLEY, CRAIG STEPHEN, AU
[73] UNITRACT SYRINGE PTY LTD, AU
[85] 2011-11-21
[86] 2010-06-16 (PCT/AU2010/000743)
[87] (WO2010/144957)
[30] AU (2009902776) 2009-06-17

---

[11] **2,763,371**
[13] C
[51] **Int.Cl. C22B 3/06 (2006.01) C22B 3/10 (2006.01) C22B 3/44 (2006.01)**
[25] EN
[54] **METHOD OF OXIDATIVE LEACHING OF SULFIDE ORES AND/OR CONCENTRATES**
[54] **PROCEDE DE LIXIVIATION PAR OXYDATION DE MINERAIS ET/OU CONCENTRES SULFURES**
[72] WELHAM, NICHOLAS JAMES, AU
[72] JOHNSTON, GARRY MERVYN, AU
[72] SUTCLIFFE, MATTHEW LESLIE, GB
[73] METALEACH LIMITED, VG
[85] 2011-11-24
[86] 2010-05-26 (PCT/AU2010/000641)
[87] (WO2010/135776)
[30] AU (2009902406) 2009-05-26

---

[11] **2,763,945**
[13] C
[51] **Int.Cl. A61L 27/20 (2006.01) C12N 5/0775 (2010.01) C12N 5/078 (2010.01) A61K 35/28 (2015.01) A61L 27/38 (2006.01) A61P 19/02 (2006.01)**
[25] EN
[54] **BIOLOGICAL MATERIAL SUITABLE FOR THE THERAPY OF OSTEOARTHROSIS, LIGAMENT DAMAGE AND FOR THE TREATMENT OF JOINT DISORDERS**
[54] **SUBSTANCE BIOLOGIQUE CONVENANT AU TRAITEMENT DE L'ARTHROSE, D'UNE LESION LIGAMENTAIRE ET DES TROUBLES ARTICULAIRES**
[72] CALLEGARO, LANFRANCO, IT
[72] ZANELLATO, ANNA MARIA, IT
[73] FIDIA FARMACEUTICI S.P.A., IT
[85] 2011-11-29
[86] 2010-06-29 (PCT/EP2010/059183)
[87] (WO2011/000820)
[30] IT (MI2009A 001171) 2009-07-02

---

[11] **2,765,983**
[13] C
[51] **Int.Cl. C07D 403/04 (2006.01) A61K 31/4178 (2006.01) A61P 35/00 (2006.01) C07D 403/14 (2006.01) C07D 407/14 (2006.01) C07D 409/14 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **1,3-DISUBSTITUTED IMIDAZOLIDIN-2-ONE DERIVATIVES AS INHIBITORS OF CYP 17**
[54] **DERIVES D'IMIDAZOLIDIN-2-ONE 1,3-DISUBSTITUES EN TANT QU'INHIBITEURS DE CYP 17**
[72] BOCK, MARK G., US
[72] GAUL, CHRISTOPH, CH
[72] GUMMADI, VENKATESHWAR RAO, IN
[72] SENGUPTA, SAUMITRA, IN
[73] NOVARTIS AG, CH
[85] 2011-12-19
[86] 2010-06-24 (PCT/EP2010/059029)
[87] (WO2010/149755)
[30] IN (1500/CHE/2009) 2009-06-26
[30] IN (2181/DEL/2009) 2009-10-21

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[11] **2,769,194**
[13] C
[51] **Int.Cl. G02F 1/163 (2006.01) G02F 1/155 (2006.01)**
[25] FR
[54] **TRANSPARENT ELECTROCHROMIC SYSTEM**
[54] **SYSTEME ELECTROCHROME TRANSPARENT**
[72] BIVER, CLAUDINE, FR
[72] CANO, JEAN-PAUL, FR
[72] DULUARD, SANDRINE, FR
[72] SAUGEY, ANTHONY, FR
[73] ESSILOR INTERNATIONAL (COMPAGNIE GENERALE D'OPTIQUE), FR
[85] 2012-01-25
[86] 2010-07-19 (PCT/FR2010/051510)
[87] (WO2011/015753)
[30] FR (09 55265) 2009-07-28

---

[11] **2,769,328**
[13] C
[51] **Int.Cl. C08G 73/02 (2006.01) C08L 79/04 (2006.01)**
[25] EN
[54] **IMPACT RESISTANT MODIFIED COMPOSITIONS**
[54] **COMPOSITIONS PRESENTANT UNE RESILIENCE MODIFIEE**
[72] KREILING, STEFAN, DE
[72] TADEN, ANDREAS, DE
[72] SCHOENFELD, RAINER, DE
[72] MAI, CLAUDIA, DE
[72] KUX, MICHAEL, DE
[72] KUESTER, HARALD, DE
[73] HENKEL AG & CO. KGAA, DE
[85] 2012-01-26
[86] 2010-07-28 (PCT/EP2010/060959)
[87] (WO2011/012648)
[30] DE (10 2009 028 099.5) 2009-07-29

[11] **2,769,649**
[13] C
[51] **Int.Cl. G01R 31/36 (2006.01) H01M 10/44 (2006.01) H02J 7/00 (2006.01) B60L 1/00 (2006.01) G07C 5/08 (2006.01)**
[25] EN
[54] **REMOTE RECHARGEABLE MONITORING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE RECHARGEABLE A DISTANCE**
[72] MUZAFFER, REHAN, US
[73] AEROVIRONMENT, INC., US
[85] 2012-01-30
[86] 2010-07-30 (PCT/US2010/044026)
[87] (WO2011/014843)
[30] US (61/230,088) 2009-07-30
[30] US (12/846,787) 2010-07-29

[11] **2,770,928**
[13] C
[51] **Int.Cl. A61G 10/00 (2006.01) H02G 3/36 (2006.01)**
[25] EN
[54] **STUD MOUNTED HEADWALL UNIT AND METHOD FOR INSTALLING SAME**
[54] **UNITE DE MUR DE TETE MONTEE SUR DES POTEAUX D'OSSATURE MURALE ET METHODES D'INSTALLATION CONNEXES**
[72] HUNT, BARRY W., CA
[72] OVER, CHRISTOPHER B., CA
[72] BARATTO, MICHAEL JOHN, CA
[72] FERNANDES, BRENDAN S., CA
[72] COSTA, DANIEL SOARES, CA
[72] BLONDIN, TRICIA A., CA
[73] CLASS 1 INC., CA
[86] (2770928)
[87] (2770928)
[22] 2012-03-09
[30] US (61/451,559) 2011-03-10

[11] **2,770,987**
[13] C
[51] **Int.Cl. A61B 18/14 (2006.01) A61B 5/042 (2006.01) A61B 18/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MAKING AND USING MEDICAL ABLATION SYSTEMS HAVING MAPPING CATHETERS WITH IMPROVED ANCHORING ABILITY**
[54] **SYSTEMES ET PROCEDES DE FABRICATION ET D'UTILISATION DE SYSTEMES D'ABLATION A VISEE MEDICALE COMPRENANT DES CATHETERS DE CARTOGRAPHIE A CAPACITE D'ANCRAGE AMELIOREE**
[72] KIM, ISAAC, US
[72] KOBLISH, JOSEF, US
[72] MCGEE, DAVID, US
[73] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2012-02-14
[86] 2010-08-11 (PCT/US2010/045200)
[87] (WO2011/019838)
[30] US (61/233,965) 2009-08-14

[11] **2,771,056**
[13] C
[51] **Int.Cl. C08B 37/00 (2006.01) A61K 31/737 (2006.01) A61P 7/00 (2006.01) A61P 9/00 (2006.01) A61P 11/00 (2006.01) A61P 17/00 (2006.01) A61P 19/00 (2006.01) A61P 21/00 (2006.01) A61P 25/00 (2006.01) A61P 27/02 (2006.01) A61P 37/00 (2006.01) C07H 13/04 (2006.01) C07H 13/12 (2006.01) C07H 15/203 (2006.01)**
[25] FR
[54] **FGF RECEPTOR-ACTIVATING N-ACYL OCTASACCHARIDES, PREPARATION THEREOF, AND THERAPEUTIC USE THEREOF**
[54] **OCTASACCHARIDES N-ACYLES ACTIVATEURS DES RECEPTEURS DES FGFS, LEUR PREPARATION ET LEUR APPLICATION EN THERAPEUTIQUE**
[72] DRIGUEZ, PIERRE ALEXANDRE, FR
[72] DUCHAUSSOY, PHILIPPE, FR
[72] FONS, PIERRE, FR
[72] HERBERT, CORENTIN, FR
[72] LASSALLE, GILBERT, FR
[73] SANOFI, FR
[85] 2012-02-13
[86] 2010-08-12 (PCT/FR2010/051703)
[87] (WO2011/018588)
[30] FR (09/03968) 2009-08-14

[11] **2,771,123**
[13] C
[51] **Int.Cl. C07D 473/04 (2006.01) A61K 31/522 (2006.01)**
[25] EN
[54] **SUBSTITUTED XANTHINE DERIVATIVES**
[54] **DERIVES DE XANTHINE SUBSTITUES**
[72] TUNG, ROGER D., US
[72] LIU, JULIE F., US
[72] HARBESON, SCOTT L., US
[73] CONCERT PHARMACEUTICALS, INC., US
[85] 2012-02-14
[86] 2010-09-02 (PCT/US2010/047708)
[87] (WO2011/028922)
[30] US (61/239,342) 2009-09-02
[30] US (12/873,991) 2010-09-01

[11] **2,771,401**
[13] C
[51] **Int.Cl. G07C 5/00 (2006.01)**
[25] EN
[54] **PLATFORM HEALTH MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE DE SANTE DE PLATE-FORME**
[72] SAFA-BAKHSH, ROBAB, US
[72] HARRIS, PATRICK, US
[73] THE BOEING COMPANY, US
[85] 2012-02-13
[86] 2010-09-02 (PCT/US2010/047742)
[87] (WO2011/046684)
[30] US (12/577,549) 2009-10-12

---

[11] **2,773,047**
[13] C
[51] **Int.Cl. F01D 11/24 (2006.01) F01D 19/02 (2006.01) F01D 25/10 (2006.01)**
[25] FR
[54] **CLEARANCE CONTROL AT THE BLADE TIPS OF A TURBOMACHINE**
[54] **PILOTAGE DES JEUX EN SOMMET D'AUBES DANS UNE TURBOMACHINE**
[72] PHILIPPOT, VINCENT, FR
[73] SNECMA, FR
[85] 2012-03-01
[86] 2010-09-07 (PCT/FR2010/051855)
[87] (WO2011/030051)
[30] FR (09/04275) 2009-09-08

---

[11] **2,773,567**
[13] C
[51] **Int.Cl. H04N 21/84 (2011.01) H04N 21/435 (2011.01)**
[25] EN
[54] **METHODS AND APPARATUS TO GENERATE A TAG FOR MEDIA**
[54] **METHODES ET APPAREIL SERVANT A GENERER UNE ETIQUETTE DESTINE AUX MEDIAS**
[72] MCMILLAN, FRANCIS G., US
[72] DELIYANNIS, ALEXANDROS, US
[73] THE NIELSEN COMPANY (US), LLC, US
[86] (2773567)
[87] (2773567)
[22] 2012-03-30
[30] US (61/474,728) 2011-04-12
[30] US (13/181,147) 2011-07-12

---

[11] **2,774,124**
[13] C
[51] **Int.Cl. C10M 167/00 (2006.01)**
[25] EN
[54] **FARM TRACTOR LUBRICATING COMPOSITION WITH GOOD WATER TOLERANCE**
[54] **COMPOSITION LUBRIFIANTE DE TRACTEUR AGRICOLE A BONNE TOLERANCE A L?EAU**
[72] ABRAHAM, WILLIAM D., US
[72] BAUM, MARINA, US
[72] QIN, HAIHU, US
[72] WANG, YING, US
[73] THE LUBRIZOL CORPORATION, US
[85] 2012-03-13
[86] 2010-09-07 (PCT/US2010/047947)
[87] (WO2011/031659)
[30] US (61/242,092) 2009-09-14

---

[11] **2,775,126**
[13] C
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 9/00 (2006.01)**
[25] EN
[54] **MANUFACTURE OF CHEWING GUM PRODUCT WITH RADIOFREQUENCY**
[54] **FABRICATION DE PRODUIT DE GOMME A MACHER PAR RADIOFREQUENCE**
[72] KOLL, GREGORY E., US
[72] SOWDEN, HARRY S., US
[72] LUBER, JOSEPH R., US
[72] KRIKSUNOV, LEO B., US
[72] BUNICK, FRANK J., US
[72] CHEN, JEN-CHI, US
[72] OLSSON, ROLAND, SE
[72] SZYMCZAK, CHRISTOPHER E., US
[73] MCNEIL-PPC, INC., US
[85] 2012-03-22
[86] 2010-09-23 (PCT/US2010/049971)
[87] (WO2011/038101)
[30] US (61/245,315) 2009-09-24
[30] US (61/255,582) 2009-10-28
[30] US (61/314,629) 2010-03-17
[30] US (61/358,167) 2010-06-24
[30] US (12/887,582) 2010-09-22

---

[11] **2,775,845**
[13] C
[51] **Int.Cl. G01H 9/00 (2006.01)**
[25] EN
[54] **PHASE BASED SENSING**
[54] **DETECTION BASEE SUR UNE PHASE**
[72] CRICKMORE, ROGER IAN, GB
[72] HILL, DAVID JOHN, GB
[73] OPTASENSE HOLDINGS LIMITED, GB
[85] 2012-03-28
[86] 2010-09-24 (PCT/GB2010/001802)
[87] (WO2011/039501)
[30] GB (0917150.5) 2009-09-30

---

[11] **2,776,312**
[13] C
[51] **Int.Cl. B65D 47/20 (2006.01) A47G 19/22 (2006.01)**
[25] EN
[54] **SPOUT FOR A SPILL-PROOF BEVERAGE CONTAINER**
[54] **BEC VERSEUR POUR UN RECIPIENT DE BOISSON ANTI-GOUTTES**
[72] SAMSON, ILAN, US
[73] SAMSON, ILAN, US
[85] 2012-03-13
[86] 2010-09-17 (PCT/IB2010/054209)
[87] (WO2011/033477)
[30] GB (0916318.9) 2009-09-17
[30] GB (0916793.3) 2009-09-24

[11] **2,776,718**
[13] C
[51] **Int.Cl. C12P 7/10 (2006.01) C12F 3/00 (2006.01) C12P 19/00 (2006.01)**
[25] EN
[54] **ETHANOL PRODUCTION FROM LIGNOCELLULOSIC BIOMASS WITH RECOVERY OF COMBUSTIBLE FUEL MATERIALS**
[54] **PRODUCTION D'ETHANOL A PARTIR D'UNE BIOMASSE LIGNOCELLULOSIQUE AVEC RECUPERATION DE MATIERES CONSISTANT EN CARBURANTS COMBUSTIBLES**
[72] MOSIER, NATHAN, US
[72] LADISCH, MICHAEL R., US
[72] WARNER, JERRY B., US
[73] PURDUE RESEARCH FOUNDATION, US
[73] DEFENSE LIFE SCIENCES, LLC, US
[85] 2012-04-04
[86] 2010-10-13 (PCT/US2010/052503)
[87] (WO2011/047046)
[30] US (61/251,059) 2009-10-13

---

[11] **2,777,141**
[13] C
[51] **Int.Cl. F04D 29/02 (2006.01) F04D 29/52 (2006.01) F04D 29/54 (2006.01) F04D 29/64 (2006.01)**
[25] EN
[54] **AN AXIAL FAN AND A METHOD OF MANUFACTURING A BLOWER PIPE THEREFOR**
[54] **VENTILATEUR AXIAL ET PROCEDE POUR REALISER UN TUBE DE VENTILATEUR A CET EFFET**
[72] KAMPF, LARS VERNER, DK
[73] NOVENCO A/S, DK
[85] 2012-04-10
[86] 2010-10-13 (PCT/DK2010/050265)
[87] (WO2011/044909)
[30] DK (PA 2009 01118) 2009-10-13

---

[11] **2,777,465**
[13] C
[51] **Int.Cl. G02B 21/26 (2006.01) H01J 37/20 (2006.01) H02K 41/02 (2006.01)**
[25] EN
[54] **MOTORIZED STAGE**
[54] **ETAGE MOTORISE**
[72] BROOKER, JEFFREY S., US
[72] CHAVES, PAULO, US
[72] DHESE, KEITH, US
[72] EDDINGTON, ROBIN, US
[73] THORLABS, INC., US
[85] 2012-04-11
[86] 2010-10-16 (PCT/US2010/052983)
[87] (WO2011/047367)
[30] US (61/252,263) 2009-10-16

---

[11] **2,777,938**
[13] C
[51] **Int.Cl. A61K 31/593 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **METHOD OF PREVENTING TYPE 1 DIABETES**
[54] **METHODE DE PREVENTION DU DIABETE DE TYPE 1**
[72] DELUCA, HECTOR F., US
[72] NEHRING, JAMIE, US
[72] RUDOLPH, EHREN N., US
[72] PLUM, LORI, US
[73] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
[85] 2012-04-16
[86] 2010-10-21 (PCT/US2010/053550)
[87] (WO2011/050163)
[30] US (61/253,665) 2009-10-21

---

[11] **2,780,391**
[13] C
[51] **Int.Cl. H04B 1/59 (2006.01) H04L 27/148 (2006.01)**
[25] EN
[54] **HDX DEMODULATOR**
[54] **DEMODULATEUR HDX**
[72] BATEMAN, LEIGH, AU
[73] ALLFLEX USA, INC., US
[85] 2012-05-09
[86] 2010-10-12 (PCT/US2010/052360)
[87] (WO2011/044585)
[30] US (61/250,407) 2009-10-09

---

[11] **2,780,642**
[13] C
[51] **Int.Cl. F24C 15/02 (2006.01) F24C 15/14 (2006.01)**
[25] EN
[54] **HOUSEHOLD APPLIANCE HAVING AN OVEN DOOR WITH AN INTEGRAL DRIP TRAY**
[54] **APPAREIL ELECTROMENAGER POURVU D'UNE PORTE DE FOURNEAU AVEC UN PLATEAU D'EGOUTTAGE INTERNE**
[72] HARWARD, SAMUEL, US
[72] HENDRICKS, DONALD, US
[72] PARKER, ROSE MARIE, US
[73] BSH HOME APPLIANCES CORPORATION, US
[86] (2780642)
[87] (2780642)
[22] 2012-06-21
[30] US (13/484,750) 2012-05-31

---

[11] **2,781,613**
[13] C
[51] **Int.Cl. C25F 3/04 (2006.01) C25F 3/08 (2006.01)**
[25] EN
[54] **ELECTROLYTE SOLUTION AND ELECTROPOLISHING METHODS**
[54] **SOLUTION D'ELECTROLYTE ET PROCEDES D'ELECTROPOLISSAGE**
[72] CLASQUIN, JAMES L., US
[72] CHRISTENSEN, THOMAS J., US
[73] METCON, LLC, US
[85] 2012-05-23
[86] 2010-11-22 (PCT/US2010/057672)
[87] (WO2011/063353)
[30] US (61/263,606) 2009-11-23

[11] **2,782,420**
[13] C
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 3/04 (2006.01) C07K 16/18 (2006.01) C07K 16/40 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01) C07K 14/71 (2006.01)**
[25] EN
[54] **HUMAN ANTIGEN BINDING PROTEINS THAT BIND .BETA.-KLOTHO, FGF RECEPTORS AND COMPLEXES THEREOF**
[54] **PROTEINES DE LIAISON A ANTIGENE HUMAIN QUI SE LIENT A BETA-KLOTHO, AUX RECEPTEURS DE FGF ET AUX COMPLEXES DE CEUX-CI**
[72] HU, SHAW-FEN SYLVIA, US
[72] FOLTZ, IAN, CA
[72] KING, CHADWICK TERENCE, CA
[72] LI, YANG, US
[72] ARORA, TARUNA, US
[73] AMGEN INC., US
[85] 2012-05-30
[86] 2010-12-03 (PCT/US2010/058984)
[87] (WO2011/071783)
[30] US (61/267,321) 2009-12-07
[30] US (61/381,846) 2010-09-10

---

[11] **2,782,530**
[13] C
[51] **Int.Cl. B23B 49/02 (2006.01) B23Q 11/00 (2006.01)**
[25] EN
[54] **DRILL TEMPLATE WITH INTEGRAL VACUUM ATTACH HAVING PLUGS**
[54] **GABARIT DE PERCAGE POURVU D'UN RACCORD DE VIDE SOLIDAIRE A FICHES**
[72] INMAN, JOHN E., US
[72] DIETRICH, DAVID M., US
[72] MACKE, JUNIOR JOHN G., US
[72] HAYES, MICHAEL W., US
[73] THE BOEING COMPANY, US
[85] 2012-05-31
[86] 2010-10-26 (PCT/US2010/054158)
[87] (WO2011/068603)
[30] US (12/630,417) 2009-12-03

---

[11] **2,782,893**
[13] C
[51] **Int.Cl. F15D 1/10 (2006.01)**
[25] EN
[54] **VARIABLE CAMBER FLUID-DYNAMIC BODY UTILIZING OPTIMIZED SMART MATERIALS**
[54] **CORPS FLUIDE DYNAMIQUE A CAMBRURE VARIABLE UTILISANT DES MATERIAUX INTELLIGENTS OPTIMISES**
[72] SHOME, MOUSHUMI, US
[72] CALKINS, FREDERICK T., US
[72] MABE, JAMES HENRY, US
[72] GRIMSHAW, MATTHEW TODD, US
[73] THE BOEING COMPANY, US
[86] (2782893)
[87] (2782893)
[22] 2012-07-11
[30] US (13/210,375) 2011-08-16

---

[11] **2,784,046**
[13] C
[51] **Int.Cl. F41H 5/013 (2006.01) E06B 9/02 (2006.01) F41H 7/04 (2006.01) B60J 5/00 (2006.01)**
[25] FR
[54] **PROTECTIVE GRILL FOR OPENING**
[54] **GRILLE DE PROTECTION POUR OUVRANT**
[72] HUBSCH, ALAIN, FR
[72] BAPTISTA, DANIEL, FR
[72] PRYBILSKI, CHRISTIAN, FR
[72] DENIS, BERNARD, FR
[73] NEXTER SYSTEMS, FR
[86] (2784046)
[87] (2784046)
[22] 2012-07-25
[30] FR (11 02 396) 2011-07-29

---

[11] **2,784,384**
[13] C
[51] **Int.Cl. F16H 61/26 (2006.01) F15C 3/02 (2006.01) F16H 61/684 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MULTIPLEXING GEAR ENGAGEMENT CONTROL AND PROVIDING FAULT PROTECTION IN A TOROIDAL TRACTION DRIVE AUTOMATIC TRANSMISSION**
[54] **SYSTEME ET PROCEDE PERMETTANT DE MULTIPLEXER LA COMMANDE D'ENCLENCHEMENT DU RAPPORT DE VITESSE ET DE FOURNIR UNE PROTECTION CONTRE LES ANOMALIES DANS UNE BOITE DE VITESSES AUTOMATIQUE A ENTRAINEMENT PAR TRACTION TOROIDALE**
[72] LONG, CHARLES F., US
[72] WEBER, DARREN J., US
[72] FULLER, JOHN WILLIAM EDWARD, GB
[73] ALLISON TRANSMISSION, INC., US
[85] 2012-06-14
[86] 2010-12-02 (PCT/US2010/058707)
[87] (WO2011/075319)
[30] US (61/287,038) 2009-12-16

---

[11] **2,786,571**
[13] C
[51] **Int.Cl. A01D 46/00 (2006.01)**
[25] EN
[54] **PNEUMATIC FRUIT DECELERATOR APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE POUR DECELERATEUR PNEUMATIQUE DE FRUITS**
[72] DIETRICH, CHARLES E., US
[72] BROWN, PHILIP A., US
[72] RASCH, MICHAEL R., US
[73] DBR CONVEYOR CONCEPTS, LLC, US
[85] 2012-07-05
[86] 2010-03-16 (PCT/US2010/027478)
[87] (WO2011/084166)
[30] US (12/683,240) 2010-01-06

[11] **2,786,988**
[13] C
[51] **Int.Cl. F01D 5/30 (2006.01) F04D 29/32 (2006.01)**
[25] FR
[54] **TURBINE ENGINE AIR BLOWER**
[54] **SOUFFLANTE DE TURBOMACHINE**
[72] DELAPIERRE, MICHAEL, FR
[72] REGHEZZA, PATRICK JEAN-LOUIS, FR
[73] SNECMA, FR
[85] 2012-07-12
[86] 2011-01-21 (PCT/FR2011/050116)
[87] (WO2011/095722)
[30] FR (1000456) 2010-02-04

---

[11] **2,788,893**
[13] C
[51] **Int.Cl. G01R 31/36 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING BATTERY STATE-OF-HEALTH**
[54] **SYSTEMES ET METHODES POUR DETERMINER L'ETAT DE LA BATTERIE**
[72] BOND, JAMES R., US
[72] DERMOTT, JEFF, US
[72] LISTERUD, EIVIND, US
[73] EAGLEPICHER TECHNOLOGIES, LLC, US
[86] (2788893)
[87] (2788893)
[22] 2012-09-07
[30] US (61/533,519) 2011-09-12
[30] US (13/588,580) 2012-08-17

---

[11] **2,790,168**
[13] C
[51] **Int.Cl. B23K 9/16 (2006.01) B23K 10/02 (2006.01) B23K 15/00 (2006.01) B23K 28/02 (2014.01)**
[25] EN
[54] **METHOD OF AND APPARATUS FOR HYBRID WELDING WITH MULTIPLE HEAT SOURCES**
[54] **PROCEDE ET EQUIPEMENT DE SOUDAGE HYBRIDE AVEC DE MULTIPLES SOURCES DE CHALEUR**
[72] LIN, DECHAO, US
[73] THE ESAB GROUP, INC., US
[85] 2012-08-16
[86] 2011-02-10 (PCT/US2011/024285)
[87] (WO2011/103012)
[30] US (12/708,249) 2010-02-18

---

[11] **2,791,140**
[13] C
[51] **Int.Cl. G09B 19/00 (2006.01)**
[25] EN
[54] **SOFTWARE AND HARDWARE SYSTEM FOR ENABLING WEIGHT CONTROL**
[54] **SYSTEME LOGICIEL ET MATERIEL POUR LE CONTROLE DU POIDS**
[72] KIRCHHOFF, DAVID, US
[72] CONNELY, LISA, US
[72] CROOK ANNA, AU
[72] KELLY, SHEILA, US
[72] PERL, AMIE, US
[72] SEMMELBAUER, THILO, US
[72] SHEPPARD, AMY, US
[72] MILLER-KOVACH, KAREN, US
[72] POSILLICO, PALMA, US
[73] WEIGHTWATCHERS.COM, INC., US
[73] WEIGHT WATCHERS INTERNATIONAL, INC., US
[86] (2791140)
[87] (2791140)
[22] 2003-01-31
[62] 2,474,733
[30] US (60/353,811) 2002-02-01

---

[11] **2,792,662**
[13] C
[51] **Int.Cl. G06F 3/14 (2006.01) G06F 3/0481 (2013.01) G06F 3/0484 (2013.01) G06T 13/00 (2011.01)**
[25] EN
[54] **METHOD OF RENDERING A USER INTERFACE**
[54] **METHODE DE RENDU D'UNE INTERFACE UTILISATEUR**
[72] LEWIN, MATHIAS, SE
[72] ANDERSSON, JENS OLA, SE
[72] LJUNGKRANTZ, PETER, SE
[72] GURELL, CHRISTOFFER, SE
[72] MOWITZ, JOHAN, SE
[73] BLACKBERRY LIMITED, CA
[86] (2792662)
[87] (2792662)
[22] 2012-10-18
[30] US (61/548,652) 2011-10-18

---

[11] **2,792,697**
[13] C
[51] **Int.Cl. B29C 43/32 (2006.01) B29C 35/00 (2006.01) B29C 43/56 (2006.01) B64C 1/00 (2006.01) B64C 3/24 (2006.01) B64C 3/26 (2006.01)**
[25] EN
[54] **HIGH FLOW EDGE BREATHER AND METHOD**
[54] **RENIFLEUR HAUT DEBIT ET METHODE**
[72] DULL, KENNETH M., US
[73] THE BOEING COMPANY, US
[86] (2792697)
[87] (2792697)
[22] 2012-10-16
[30] US (13/288,523) 2011-11-03

---

[11] **2,793,177**
[13] C
[51] **Int.Cl. F28F 3/12 (2006.01) F02K 1/82 (2006.01) F23R 3/00 (2006.01) F28D 9/00 (2006.01)**
[25] EN
[54] **MULTI-CHANNEL COOLING PLENUM**
[54] **PLENUM DE REFROIDISSEMENT A PLUSIEURS CANAUX**
[72] JOST, KAREN M., US
[72] MILLER, GAYL J., US
[72] BOWDLE, DONALD E., US
[73] THE BOEING COMPANY, US
[86] (2793177)
[87] (2793177)
[22] 2012-10-24
[30] US (13/351,026) 2012-01-16

---

[11] **2,793,250**
[13] C
[51] **Int.Cl. B60S 1/48 (2006.01) B60S 1/52 (2006.01)**
[25] FR
[54] **CONTROL OF A WINDOW WASHER SYSTEM ASSOCIATED WITH A WIPER SYSTEM FOR A MOTOR VEHICLE**
[54] **COMMANDE D'UN SYSTEME DE LAVE-VITRE ASSOCIE A UN SYSTEME D'ESSUYAGE POUR VEHICULE AUTOMOBILE**
[72] CALLUIERE, JOHAN, FR
[72] THEBAULT, DENIS, FR
[72] NEGRE, PIERRE-EMMANUEL, FR
[73] VALEO SYSTEMES D'ESSUYAGE, FR
[85] 2012-09-14
[86] 2011-02-10 (PCT/EP2011/051981)
[87] (WO2011/113648)
[30] FR (10/01043) 2010-03-16

[11] **2,793,519**
[13] C
[51] **Int.Cl. A61K 8/92 (2006.01) A45D 7/04 (2006.01) A45D 7/06 (2006.01) A61Q 5/00 (2006.01) A61Q 5/12 (2006.01)**
[25] EN
[54] **HAIR CARE PRODUCTS CONTAINING CONJUGATED UNSATURATED OILS**
[54] **PRODUITS DE SOINS CAPILLAIRES CONTENANT DES HUILES INSATUREES CONJUGUEES**
[72] FISCHER, VINCENT, US
[72] DAWIS, SUZANNE, US
[72] SCHROTT, ADAM, US
[72] DEARDORFF, JENNIFER, US
[73] KAO CORPORATION, JP
[85] 2012-09-17
[86] 2011-03-18 (PCT/US2011/028991)
[87] (WO2011/116283)
[30] US (61/315,529) 2010-03-19

---

[11] **2,794,199**
[13] C
[51] **Int.Cl. C12N 15/115 (2010.01) A61K 31/7088 (2006.01) A61P 29/00 (2006.01) A61P 43/00 (2006.01) C12N 15/09 (2006.01) C07K 14/48 (2006.01)**
[25] EN
[54] **APTAMER FOR NGF AND USE THEREOF**
[54] **APTAMERE POUR NGF ET UTILISATION DE CELUI-CI**
[72] NAKAMURA, YOSHIKAZU, JP
[72] JIN, LING, JP
[72] HIRAMATSU, HISANAO, JP
[73] RIBOMIC INC., JP
[73] FUJIMOTO PHARMACEUTICAL CORPORATION, JP
[85] 2012-09-21
[86] 2011-03-24 (PCT/JP2011/057105)
[87] (WO2011/118682)
[30] JP (2010-068546) 2010-03-24

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[11] **2,795,904**
[13] C
[51] **Int.Cl. H04W 8/02 (2009.01)**
[25] EN
[54] **LOCATION METHOD AND LOCATION SYSTEM FOR ACQUIRING TERMINAL LOCATION**
[54] **PROCEDE DE LOCALISATION ET SYSTEME DE LOCALISATION POUR ACQUERIR LA POSITION D'UN TERMINAL**
[72] CHENG, YICHEN, CN
[73] ZTE CORPORATION, CN
[85] 2012-10-09
[86] 2011-02-25 (PCT/CN2011/071333)
[87] (WO2011/160465)
[30] CN (201010211191.8) 2010-06-23

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[11] **2,797,306**
[13] C
[51] **Int.Cl. H04L 9/28 (2006.01) H04H 60/23 (2009.01) H04N 21/266 (2011.01)**
[25] EN
[54] **SECURITY PROCESSING SYSTEM AND METHOD FOR HTTP LIVE STREAMING**
[54] **SYSTEME DE TRAITEMENT DE SECURITE ET PROCEDE POUR PROTOCOLE DE FLUX DE DONNEES EN DIRECT HTTP**
[72] KIM, CHANG NAM, KR
[72] CHO, MI SUNG, KR
[73] ALTICAST CORPORATION, KR
[86] (2797306)
[87] (2797306)
[22] 2012-11-29
[30] KR (10-2011-0127363) 2011-11-30

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[11] **2,798,881**
[13] C
[51] **Int.Cl. B01D 53/14 (2006.01) B01D 47/02 (2006.01) B01D 47/06 (2006.01) B01D 53/18 (2006.01) B01D 53/48 (2006.01) B01D 53/54 (2006.01) B01D 53/62 (2006.01)**
[25] EN
[54] **IMPROVED GAS SCRUBBER APPARATUS AND METHOD**
[54] **APPAREIL LAVEUR DE GAZ AMELIORE ET PROCEDE**
[72] MCCLELLAND, KENNETH JAMES, CA
[73] ENVIRORESOLUTIONS INC., CA
[85] 2012-11-08
[86] 2010-06-25 (PCT/CA2010/000988)
[87] (WO2010/148513)
[30] US (61/220,352) 2009-06-25

---

[11] **2,799,131**
[13] C
[51] **Int.Cl. H05B 7/06 (2006.01) F27B 3/28 (2006.01) F27D 21/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR LENGTH MEASUREMENT ON AN ELECTRODE**
[54] **PROCEDE ET DISPOSITIF DE MESURE DE LONGUEUR SUR UNE ELECTRODE**
[72] DIENENTHAL, JOERG, DE
[72] MORGENSTERN, HANS-UWE, DE
[73] DANGO & DIENENTHAL MASCHINENBAU GMBH, DE
[85] 2012-11-09
[86] 2011-05-26 (PCT/EP2011/058678)
[87] (WO2011/151256)
[30] EP (10164644.6) 2010-06-01

---

[11] **2,799,511**
[13] C
[51] **Int.Cl. C02F 3/30 (2006.01) C02F 1/00 (2006.01) C02F 3/00 (2006.01) C02F 3/02 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PROCESSING LIQUID WASTE**
[54] **APPAREIL ET PROCEDE DE TRAITEMENT DE DECHETS LIQUIDES**
[72] PRESBY, DAVID W., US
[73] PRESBY PATENT TRUST, US
[85] 2012-11-15
[86] 2011-05-17 (PCT/US2011/036791)
[87] (WO2011/146470)
[30] US (61/345,260) 2010-05-17
[30] US (61/367,429) 2010-07-25

[11] **2,805,124**
[13] C
[51] **Int.Cl. A61B 5/08 (2006.01) A61B 5/0205 (2006.01) A61B 5/053 (2006.01) A61B 5/087 (2006.01) A61B 5/091 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR RESPIRATORY VARIATION MONITORING BY MEASUREMENT OF RESPIRATORY VOLUMES, MOTION AND VARIABILITY**
[54] **DISPOSITIFS ET PROCEDES DE SURVEILLANCE DE VARIATION RESPIRATOIRE GRACE A LA MESURE DE VOLUMES RESPIRATOIRES, DE MOUVEMENT ET DE LA VARIABILITE**
[72] FREEMAN, JENNY E., US
[72] LALLI, MICHAEL, US
[72] MATTFOLK, ALEX, US
[72] PANASYUK, ALEXANDER, US
[72] JAHNKE, CHARLES, US
[72] STEIGER, NATHANIEL, US
[72] PANASYUK, SVETLANA, US
[72] NAGPAL, ARVIL, US
[72] TOY, JAMES F., US
[73] RESPIRATORY MOTION, INC., US
[85] 2013-01-10
[86] 2011-08-15 (PCT/US2011/047812)
[87] (WO2012/021900)
[30] US (61/373,548) 2010-08-13
[30] US (61/449,811) 2011-03-07
[30] US (61/480,105) 2011-04-28
[30] US (61/509,952) 2011-07-20

---

[11] **2,805,738**
[13] C
[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/168 (2006.01) A61M 39/22 (2006.01) F04C 5/00 (2006.01)**
[25] EN
[54] **MATRIX INFUSION MEANS**
[54] **MOYENS DE PERFUSION MATRICIELS**
[72] KIRKPATRICK, GREGG, US
[73] CAREFUSION 303, INC., US
[85] 2013-01-16
[86] 2011-03-25 (PCT/US2011/030093)
[87] (WO2012/011976)
[30] US (12/842,856) 2010-07-23

---

[11] **2,806,106**
[13] C
[51] **Int.Cl. H02K 7/18 (2006.01) B64C 27/32 (2006.01) B64D 15/12 (2006.01) B64D 41/00 (2006.01) H02K 1/06 (2006.01)**
[25] EN
[54] **ELECTRICAL GENERATOR FOR ROTATING STRUCTURE**
[54] **GENERATEUR ELECTRIQUE POUR STRUCTURE ROTATIVE**
[72] AUBERT, ROGER, US
[72] SINUSAS, ERIC, US
[72] OUHROUCHE, MOHAND, CA
[72] MERCIER, CAROL, CA
[72] TRUCHON, MARTIN, CA
[72] BOUSSETOUA, MOHAMMED, CA
[72] FORTIN, GUY, CA
[72] PERRON, JEAN, CA
[73] BELL HELICOPTER TEXTRON INC., US
[73] UNIVERSITE DU QUEBEC A CHICOUTIMI, CA
[86] (2806106)
[87] (2806106)
[22] 2013-02-15
[30] US (61/600,328) 2012-02-17

---

[11] **2,806,332**
[13] C
[51] **Int.Cl. C07D 215/46 (2006.01) A61K 31/47 (2006.01) A61K 31/496 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01) C07D 401/00 (2006.01) C07D 409/00 (2006.01)**
[25] EN
[54] **QUINOLINE DERIVATIVES AND MELK INHIBITORS CONTAINING THE SAME**
[54] **DERIVES DE QUINOLINE ET INHIBITEURS DE MELK LES CONTENANT**
[72] MATSUO, YO, JP
[72] HISADA, SHOJI, JP
[72] NAKAMURA, YUSUKE, JP
[72] AHMED, FERYAN, US
[72] HUNTLEY, RAYMOND, US
[72] WALKER, JOEL R., US
[72] DECORNEZ, HELENE, US
[73] ONCOTHERAPY SCIENCE, INC., JP
[85] 2013-01-22
[86] 2011-07-28 (PCT/US2011/045792)
[87] (WO2012/016082)
[30] US (61/369,519) 2010-07-30

---

[11] **2,806,575**
[13] C
[51] **Int.Cl. B65D 47/08 (2006.01) B65D 47/20 (2006.01) B65D 83/00 (2006.01)**
[25] EN
[54] **FLUID CONTAINMENT AND DISPENSING SYSTEM**
[54] **SYSTEME DE CONFINEMENT ET DE DISTRIBUTION DE FLUIDE**
[72] COSTELLO, MARK MARTIN, IE
[72] DOHERTY, TONY, IE
[72] INGRAM, AARON N., US
[72] LAIR, ANTHONY C., US
[73] NEOMED, INC., US
[85] 2013-01-24
[86] 2011-07-27 (PCT/US2011/045481)
[87] (WO2012/015883)
[30] US (61/368,023) 2010-07-27
[30] US (61/388,057) 2010-09-30
[30] US (61/418,961) 2010-12-02

---

[11] **2,807,293**
[13] C
[51] **Int.Cl. B21D 41/02 (2006.01) B21D 19/00 (2006.01)**
[25] EN
[54] **HAND HELD FLARING TOOL**
[54] **OUTIL A EVASER A MAIN**
[72] HASENBERG, MARK J., US
[72] PITTS, LOGAN D., US
[72] PEIRCE, JOHN M., US
[73] AGS COMPANY AUTOMOTIVE SOLUTIONS LLC, US
[85] 2013-02-01
[86] 2011-08-03 (PCT/US2011/046354)
[87] (WO2012/018875)
[30] US (61/371,317) 2010-08-06

[11] 2,808,053
[13] C
[51] Int.Cl. B25B 11/00 (2006.01) B23Q 3/15 (2006.01) B25B 5/00 (2006.01) F16B 1/00 (2006.01)
[25] EN
[54] CLAMP ASSEMBLY INCLUDING PERMANENT MAGNETS AND COILS FOR SELECTIVELY MAGNETIZING AND DEMAGNETIZING THE MAGNETS
[54] ENSEMBLE PINCE COMPORTANT DES AIMANTS PERMANENTS ET DES BOBINES POUR MAGNETISER ET DEMAGNETISER SELECTIVEMENT LES AIMANTS
[72] SARH, BRANKO, US
[72] RUS, DANIELA LUCIA, US
[72] MARCHESE, ANDREW DOMINIC, US
[73] THE BOEING COMPANY, US
[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[86] (2808053)
[87] (2808053)
[22] 2013-02-28
[30] US (13/460,741) 2012-04-30

---

[11] 2,808,705
[13] C
[51] Int.Cl. G01F 11/28 (2006.01) A61L 2/20 (2006.01) A61L 2/24 (2006.01) A61L 2/26 (2006.01)
[25] EN
[54] HYDROGEN PEROXIDE STERILIZATION METHOD
[54] METHODE DE STERILISATION DE PEROXYDE D'HYDROGENE
[72] VALLIERES, JEAN-MARTIN, CA
[72] TREMBLAY, BRUNO, CA
[73] TSO3 INC., CA
[86] (2808705)
[87] (2808705)
[22] 2010-09-29
[62] 2,767,726
[30] US (61/247,197) 2009-09-30

---

[11] 2,808,807
[13] C
[51] Int.Cl. A61K 8/9789 (2017.01) A61K 8/19 (2006.01) A61K 8/34 (2006.01) A61K 8/36 (2006.01) A61K 8/37 (2006.01) A61Q 15/00 (2006.01)
[25] EN
[54] DEODORANT WITH IMPROVED ENDURANCE AND STABILITY
[54] DEODORANT A ENDURANCE ET STABILITE AMELIOREES
[72] MOBARAK, HANY ABO-EL-MAGD, CA
[73] KNOWLTON DEVELOPMENT CORPORATION INC., CA
[86] (2808807)
[87] (2808807)
[22] 2013-03-07

---

[11] 2,809,599
[13] C
[51] Int.Cl. G02B 27/01 (2006.01) G02B 27/12 (2006.01) G02B 27/18 (2006.01)
[25] EN
[54] LENS-BASED IMAGE AUGMENTING OPTICAL WINDOW WITH INTERMEDIATE REAL IMAGE
[54] FENETRE OPTIQUE D'AGRANDISSEMENT DE L'IMAGE SUR L'OBJECTIF AVEC IMAGE REELLE INTERMEDIAIRE
[72] KONIG, JENS, DE
[73] BLACKBERRY LIMITED, CA
[86] (2809599)
[87] (2809599)
[22] 2013-03-15
[30] EP (12159743.9) 2012-03-15

---

[11] 2,809,915
[13] C
[51] Int.Cl. H03M 3/04 (2006.01) G10L 19/00 (2013.01)
[25] EN
[54] PREDICTION OF SIGNALS
[54] PREDICTION DE SIGNAUX
[72] CRAVEN, PETER GRAHAM, GB
[72] LAW, MALCOLM, GB
[73] CRAVEN, PETER GRAHAM, GB
[73] LAW, MALCOLM, GB
[85] 2013-02-28
[86] 2010-09-02 (PCT/GB2010/001663)
[87] (WO2011/027114)
[30] GB (0915395.8) 2009-09-03

---

[11] 2,810,295
[13] C
[51] Int.Cl. C07D 473/04 (2006.01) A61K 31/522 (2006.01)
[25] EN
[54] A POLYMERIC FORM OF 1-((4-METHYL-QUINAZOLIN-2-YL)METHYL)-3-7-(2-BUTYN-1-YL)-8-(3-(R)-AMINOPIPERIDIN-1-YL)XANTHINE
[54] UNE FORME POLYMERE DE 1-((4-METHYLE-QUINAZOLINE-2-YL)METHYLE)-3-7-(2-BUTYN-1-YL)-8-(3-(R)-AMINOPIPERIDIN-1-YL)XANTHINE
[72] SIEGER, PETER, DE
[72] KEMMER, DIRK, DE
[72] KOHLBAUER, PETER, DE
[72] NICOLA, THOMAS, DE
[72] RENZ, MARTIN, DE
[73] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[86] (2810295)
[87] (2810295)
[22] 2007-04-30
[62] 2,651,089
[30] EP (06009202.0) 2006-05-04

---

[11] 2,810,676
[13] C
[51] Int.Cl. G02B 3/00 (2006.01) G02B 1/04 (2006.01)
[25] EN
[54] LENS PLATE FOR WAFER-LEVEL CAMERA AND METHOD OF MANUFACTURING SAME
[54] PLAQUE DE LENTILLE POUR APPAREIL PHOTO SUR TRANCHE ET PROCEDE DE FABRICATION CONNEXE
[72] WIDMER, LEAH, US
[73] OMNIVISION TECHNOLOGIES, INC., US
[86] (2810676)
[87] (2810676)
[22] 2013-03-27
[30] US (13/444,618) 2012-04-11

[11] **2,811,408**
[13] C
[51] **Int.Cl. G06Q 30/04 (2012.01)**
[25] EN
[54] **DETERMINING LOCAL TAX STRUCTURES IN AN ACCOUNTING APPLICATION THROUGH USER CONTRIBUTION**
[54] **DETERMINATION DE STRUCTURES FISCALES LOCALES DANS UNE APPLICATION COMPTABLE PAR LE BIAIS D'UNE CONTRIBUTION D'UTILISATEURS**
[72] PAI, YOGISH, US
[72] SHARMA, ANIL, IN
[72] PESHWE, SHIRISH KISHORE, IN
[72] VERMA, ANSHU, IN
[72] BLITZ, RICHARD ERNEST, CA
[73] INTUIT INC., US
[86] (2811408)
[87] (2811408)
[22] 2013-04-02
[30] US (13/744,108) 2013-01-17

---

[11] **2,811,838**
[13] C
[51] **Int.Cl. A61B 17/56 (2006.01) A61B 17/04 (2006.01) A61B 17/16 (2006.01)**
[25] EN
[54] **KNOTLESS FILAMENT ANCHOR FOR SOFT TISSUE REPAIR**
[54] **FILAMENT SANS NOEUD POUR REPARATION DE TISSUS MOUS**
[72] NG, TRACY PAT-YEN, US
[72] PILGERAM, KYLE CRAIG, US
[72] CORDOVA, LEE HARRIS, US
[72] MCLAUGHLIN, ROBERT EUGENE, II, US
[72] FROMM, STUART EDWARD, US
[73] HOWMEDICA OSTEONICS CORP., US
[86] (2811838)
[87] (2811838)
[22] 2013-04-05
[30] US (13/441,290) 2012-04-06

---

[11] **2,814,047**
[13] C
[51] **Int.Cl. C12Q 1/00 (2006.01)**
[25] EN
[54] **HIGH-THROUGHPUT IMMUNE SEQUENCING**
[54] **SEQUENCAGE IMMUNITAIRE A HAUT DEBIT**
[72] CHURCH, GEORGE M., US
[72] VIGNEAULT, FRANCOIS, US
[72] LASERSON, URI, US
[72] BACHELET, IDO, US
[73] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2013-04-05
[86] 2011-10-11 (PCT/US2011/055801)
[87] (WO2012/048340)
[30] US (61/391,337) 2010-10-08

---

[11] **2,818,272**
[13] C
[51] **Int.Cl. B01J 21/04 (2006.01) B01J 37/08 (2006.01)**
[25] EN
[54] **AN ALUMINA-BASED SULFUR RECOVERY CATALYST AND PREPARATION METHOD FOR THE SAME**
[54] **CATALYSEUR DE RECUPERATION DE SOUFRE A BASE D'ALUMINE ET SON PROCEDE DE PREPARATION**
[72] LIU, AIHUA, CN
[72] SHENG, ZHAOSHUN, CN
[72] LIU, JIANLI, CN
[72] WANG, JIANHUA, CN
[72] ZHU, DEHUA, CN
[72] LIU, ZENGRANG, CN
[72] LIANG, YINGJIE, CN
[73] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[86] (2818272)
[87] (2818272)
[22] 2013-06-10
[30] CN (201210192484.5) 2012-06-12

---

[11] **2,819,813**
[13] C
[51] **Int.Cl. B01J 8/22 (2006.01) B01J 8/18 (2006.01) C10G 2/00 (2006.01)**
[25] EN
[54] **SLURRY PHASE APPARATUS**
[54] **APPAREIL POUR PHASE DE SUSPENSION PATEUSE**
[72] STEYNBERG, ANDRE PETER, ZA
[72] KLEYNHANS, EVERT PHILLIPPUS, ZA
[72] LEE, MARSHALL STEPHEN, US
[72] NEL, HERMANUS GERHARDUS, ZA
[72] LOUW, JAKO, ZA
[73] SASOL TECHNOLOGY (PROPRIETARY) LIMITED, ZA
[85] 2013-06-03
[86] 2011-12-12 (PCT/IB2011/055607)
[87] (WO2012/080933)
[30] US (61/422,457) 2010-12-13
[30] ZA (2010/08969) 2010-12-13

---

[11] **2,821,701**
[13] C
[51] **Int.Cl. F03D 7/02 (2006.01)**
[25] EN
[54] **CONTROL SYSTEM AND METHOD FOR MITIGATING ROTOR IMBALANCE ON A WIND TURBINE**
[54] **SYSTEME DE COMMANDE ET PROCEDE POUR REDUIRE LE DESEQUILIBRE DU ROTOR D'UNE EOLIENNE**
[72] FU, XU, US
[72] QIU, HAI, US
[72] YOON, MYUNGKEUN, US
[72] HE, LIHAN, US
[72] YANG, YONG, US
[72] LI, QIANG, US
[72] WU, ZHILIN, US
[72] CURTIN, GERALD ADDISON, JR., US
[72] NI, NA, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2821701)
[87] (2821701)
[22] 2013-07-25
[30] CN (201210273836.X) 2012-08-02

[11] **2,822,306**
[13] C
[51] **Int.Cl. F03D 3/00 (2006.01)**
[25] EN
[54] **CO-AXIAL ROTORS IN A WIND TURBINE AND A METHOD OF GENERATING ENERGY THEREFROM**
[54] **ROTORS COAXIAUX DANS UNE EOLIENNE ET METHODE DE PRODUCTION D'ENERGIE ASSOCIEE**
[72] SEIFERT, JOST, DE
[73] EADS DEUTSCHLAND GMBH, DE
[85] 2013-06-19
[86] 2011-08-01 (PCT/DE2011/001536)
[87] (WO2012/083907)
[30] DE (10 2010 055 687.4) 2010-12-22

---

[11] **2,822,749**
[13] C
[51] **Int.Cl. G21C 17/00 (2006.01)**
[25] EN
[54] **SELF-POWERED WIRELESS IN-CORE DETECTOR**
[54] **DETECTEUR DE COEUR SANS FIL, AUTONOME**
[72] HEIBEL, MICHAEL D., US
[72] KISTLER, DANIEL P., US
[72] PRIBLE, MICHAEL C., US
[72] CARVAJAL, JORGE V., US
[72] PALMER, JASON, US
[73] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2013-06-21
[86] 2011-01-20 (PCT/US2011/021781)
[87] (WO2012/094025)
[30] US (12/986,217) 2011-01-07

---

[11] **2,822,808**
[13] C
[51] **Int.Cl. G21C 17/00 (2006.01) G01T 3/00 (2006.01) G08C 17/02 (2006.01)**
[25] EN
[54] **WIRELESS IN-CORE NEUTRON MONITOR**
[54] **DISPOSITIF DE SURVEILLANCE DE NEUTRONS DANS C□UR SANS FIL**
[72] SEIDEL, JOHN G., US
[72] FLAMMANG, ROBERT W., US
[72] CARVAJAL, JORGE V., US
[72] JAMES, MICHAEL A., US
[72] ARLIA, NICOLA G., US
[73] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2013-06-21
[86] 2011-01-20 (PCT/US2011/021783)
[87] (WO2012/094026)
[30] US (12/986,242) 2011-01-07

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[11] **2,823,943**
[13] C
[51] **Int.Cl. B64C 21/04 (2006.01) B63B 1/32 (2006.01) F04D 17/06 (2006.01) F15D 1/10 (2006.01)**
[25] EN
[54] **FLUIDIC TRAVERSE ACTUATOR**
[54] **ACTIONNEUR DE TRAVERSE FLUIDIQUE**
[72] SHMILOVICH, ARVIN, US
[72] KENT, STEVEN RICHARD, US
[73] THE BOEING COMPANY, US
[86] (2823943)
[87] (2823943)
[22] 2013-08-15
[30] US (13/662,466) 2012-10-27

---

[11] **2,823,977**
[13] C
[51] **Int.Cl. F28F 3/02 (2006.01)**
[25] EN
[54] **CROSS-FLOW HEAT EXCHANGER HAVING GRADUATED FIN DENSITY**
[54] **ECHANGEUR DE CHALEUR A COURANTS CROISES A DENSITE D'AILETTES GRADUEE**
[72] LANDRE, ERIC G., US
[73] THE BOEING COMPANY, US
[86] (2823977)
[87] (2823977)
[22] 2013-08-16
[30] US (13/665,396) 2012-10-31

---

[11] **2,824,697**
[13] C
[51] **Int.Cl. A61N 1/34 (2006.01) A61N 1/04 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **APPLICATOR HEAD AND METHOD FOR TREATMENT OF PAIN BY TRANSCUTANEOUS ELECTRICAL NERVE STIMULATION**
[54] **TETE DE DISTRIBUTION ET PROCEDE POUR LE TRAITEMENT DE LA DOULEUR PAR NEUROSTIMULATION ELECTRIQUE TRANSCUTANEE**
[72] SCHROEDER, NORMAN R., US
[73] N & C HOLDINGS, LLC, US
[86] (2824697)
[87] (2824697)
[22] 2013-08-23

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[11] **2,825,369**
[13] C
[51] **Int.Cl. F02B 63/00 (2006.01) F16D 11/14 (2006.01)**
[25] EN
[54] **POWER TAKE OFF COUPLING ETC**
[54] **COUPLAGE DE PRISE DE FORCE, ETC.**
[72] REES, SAMUEL RYAN, GB
[72] WADE, JOHN R., GB
[73] EVOLUTION POWER TOOLS LIMITED, GB
[85] 2013-07-22
[86] 2012-01-24 (PCT/IB2012/050326)
[87] (WO2012/104745)
[30] GB (1101605.2) 2011-01-31

[11] 2,825,512
[13] C
[51] Int.Cl. A61K 33/00 (2006.01) A61K 9/14 (2006.01) A61P 9/00 (2006.01) A61P 41/00 (2006.01) C01B 33/12 (2006.01) C01D 1/02 (2006.01) C01F 5/02 (2006.01) C01F 17/00 (2006.01) C01G 23/047 (2006.01)
[25] EN
[54] RADIOPAQUE EMBOLIC PARTICLES
[54] PARTICULES EMBOLIQUES OPAQUES AUX RAYONS X
[72] ABRAHAM, ROBERT J., CA
[72] KEHOE, SHARON, CA
[72] BOYD, DANIEL, CA
[73] ABK BIOMEDICAL INCORPORATED, CA
[85] 2013-07-19
[86] 2012-01-27 (PCT/IB2012/000341)
[87] (WO2012/101524)
[30] US (61/437,566) 2011-01-28

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[11] 2,826,799
[13] C
[51] Int.Cl. A61B 3/10 (2006.01) A61B 3/18 (2006.01) G01B 11/00 (2006.01) G01N 21/41 (2006.01) G01N 21/47 (2006.01)
[25] EN
[54] SYSTEM AND METHOD FOR MEASURING INTERNAL DIMENSIONS OF AN OBJECT BY OPTICAL COHERENCE TOMOGRAPHY
[54] SYSTEME ET PROCEDE POUR MESURER LES DIMENSIONS INTERNES D'UN OBJET PAR TOMOGRAPHIE PAR COHERENCE OPTIQUE
[72] VOGLER, KLAUS, DE
[72] WUELLNER, CHRISTIAN, DE
[72] GORSCHBOTH, CLAUDIA, DE
[72] DONITZKY, CHRISTOF, DE
[73] WAVELIGHT GMBH, DE
[85] 2013-08-08
[86] 2011-02-15 (PCT/EP2011/000711)
[87] (WO2012/110051)

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[11] 2,827,786
[13] C
[51] Int.Cl. G01S 7/48 (2006.01) G01S 7/497 (2006.01) G01S 17/02 (2006.01) G01S 17/08 (2006.01)
[25] EN
[54] ELECTRO-OPTICAL DISTANCE MEASURING DEVICE WITH GESTURE MEASUREMENT TRIGGERING THAT FUNCTIONS WITHOUT CONTACTING THE MEASURING DEVICE
[54] APPAREIL DE MESURE DE DISTANCE ELECTRO-OPTIQUE COMPRENANT UN DECLENCHEMENT DE MESURE PAR GESTE FONCTIONNANT SANS CONTACT
[72] BUCHEL, SVEN, CH
[73] LEICA GEOSYSTEMS AG, CH
[85] 2013-08-20
[86] 2012-03-22 (PCT/EP2012/055154)
[87] (WO2012/127017)
[30] EP (11159282.0) 2011-03-22

---

[11] 2,827,862
[13] C
[51] Int.Cl. C03C 17/36 (2006.01)
[25] EN
[54] BARRIER LAYERS COMPRISING NI-INCLUSIVE TERNARY ALLOYS, COATED ARTICLES INCLUDING BARRIER LAYERS, AND METHODS OF MAKING THE SAME
[54] COUCHES BARRIERE COMPRENANT DES ALLIAGES TERNAIRES COMPRENANT DU NI, PARTICULES REVETUES COMPRENANT DES COUCHES BARRIERE, ET LEURS PROCEDES DE FABRICATION
[72] IMRAN, MUHAMMAD, US
[72] DISTELDORF, BERND, DE
[72] FRANK, MARCUS, US
[72] BLACKER, RICHARD, US
[73] GUARDIAN INDUSTRIES CORP., US
[85] 2013-08-20
[86] 2011-10-12 (PCT/US2011/001748)
[87] (WO2012/118471)
[30] US (13/064,064) 2011-03-03

---

[11] 2,828,378
[13] C
[51] Int.Cl. C07D 265/30 (2006.01) A61K 31/4025 (2006.01) A61K 31/416 (2006.01) A61K 31/437 (2006.01) A61K 31/496 (2006.01) A61K 31/5375 (2006.01) A61K 31/5377 (2006.01) A61P 9/00 (2006.01) A61P 9/12 (2006.01) A61P 13/12 (2006.01) C07D 403/12 (2006.01) C07D 405/12 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01)
[25] EN
[54] NITROGEN-CONTAINING SATURATED HETEROCYCLIC COMPOUND
[54] COMPOSE HETEROCYCLIQUE SATURE CONTENANT DE L'AZOTE
[72] IIJIMA, TORU, JP
[72] SUGAMA, HIROSHI, JP
[72] KAWAGUCHI, TAKAYUKI, JP
[72] SHEN, JINGKANG, CN
[72] XIA, GUANGXIN, CN
[72] XIE, JIANSHU, CN
[72] HIRAI, MIKI, JP
[73] MITSUBISHI TANABE PHARMA CORPORATION, JP
[73] SHANGHAI PHARMACEUTICALS HOLDING CO., LTD., CN
[85] 2013-08-27
[86] 2012-03-15 (PCT/JP2012/056750)
[87] (WO2012/124775)
[30] JP (2011-058338) 2011-03-16

[11] **2,829,185**
[13] C
[51] **Int.Cl. G01N 35/02 (2006.01) B01J 19/00 (2006.01) G01N 21/64 (2006.01) G01N 33/53 (2006.01) G01N 37/00 (2006.01)**
[25] EN
[54] **BEAD SEALING METHOD, METHOD FOR DETECTING TARGET MOLECULE, ARRAY, KIT, AND TARGET MOLECULE DETECTION DEVICE**
[54] **PROCEDE DE SCELLEMENT ETANCHE DE BILLES, PROCEDE DE DETECTION D'UNE MOLECULE CIBLE, RESEAU, TROUSSE, ET DISPOSITIF DE DETECTION D'UNE MOLECULE CIBLE**
[72] NOJI, HIROYUKI, JP
[72] IINO, RYOTA, JP
[72] ARAKI, SUGURU, JP
[73] JAPAN SCIENCE AND TECHNOLOGY AGENCY, JP
[85] 2013-09-05
[86] 2012-03-07 (PCT/JP2012/055884)
[87] (WO2012/121310)
[30] JP (2011-050629) 2011-03-08

---

[11] **2,831,268**
[13] C
[51] **Int.Cl. C12P 7/06 (2006.01) A23J 1/12 (2006.01) B02C 9/00 (2006.01) C11C 1/10 (2006.01) C12M 1/00 (2006.01)**
[25] EN
[54] **DRY GRIND ETHANOL PRODUCTION PROCESS AND SYSTEM WITH FRONT END MILLING METHOD**
[54] **PROCEDE D'OBTENTION D'ETHANOL PAR BROYAGE A SEC ET SYSTEME AYANT PROCEDE DE BROYAGE INITIAL**
[72] LEE, CHIE YING, US
[73] LEE TECH LLC, US
[85] 2013-09-24
[86] 2012-03-23 (PCT/US2012/030337)
[87] (WO2012/129500)
[30] US (61/466,985) 2011-03-24
[30] US (61/501,041) 2011-06-24

---

[11] **2,832,470**
[13] C
[51] **Int.Cl. A61B 5/0408 (2006.01) A41D 13/12 (2006.01) A61F 13/00 (2006.01) D03D 15/00 (2006.01) H01B 1/24 (2006.01)**
[25] EN
[54] **FABRIC FOR ACQUIRING PHYSIOLOGICAL SIGNALS**
[54] **TISSU SERVANT A ACQUERIR DES SIGNAUX PHYSIOLOGIQUES**
[72] MACIA BARBER, AGUSTIN, ES
[72] LLORCA JUAN, DANIEL, IT
[72] VICENTE RENGEL, CHRISTIAN, ES
[72] GONZALVEZ MUNOZ, BORJA, ES
[73] SMART SOLUTIONS TECHNOLOGIES, S.L., ES
[85] 2013-10-07
[86] 2012-04-11 (PCT/EP2012/056573)
[87] (WO2012/140079)
[30] EP (11162135.5) 2011-04-12
[30] US (61/474,484) 2011-04-12

---

[11] **2,833,710**
[13] C
[51] **Int.Cl. A61J 7/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DISPENSING MEDICAL PRODUCTS**
[54] **SYSTEMES ET PROCEDES DE DISTRIBUTION DE PRODUITS MEDICAUX**
[72] HART, BRIAN T., US
[72] HART, RICHARD D., US
[72] BERUBE, ARTHUR A., US
[72] LIFF, HAROLD J., US
[72] DOWLING, JAMES, US
[72] PIANTEDOSI, STEVE, US
[72] STOUT, SCOTT G., US
[73] ARXIUM, INC., US
[86] (2833710)
[87] (2833710)
[22] 2003-10-16
[62] 2,502,489
[30] US (10/272,516) 2002-10-16

---

[11] **2,834,738**
[13] C
[51] **Int.Cl. G01N 21/88 (2006.01) F03D 17/00 (2016.01) G01N 21/95 (2006.01)**
[25] EN
[54] **ASSESSMENT OF ROTOR BLADES**
[54] **EXAMEN DE PALES DE ROTOR**
[72] JANSEN, GERHARD, DE
[73] WOBBEN PROPERTIES GMBH, DE
[85] 2013-10-30
[86] 2012-04-19 (PCT/EP2012/057188)
[87] (WO2012/152561)
[30] DE (10 2011 075 675.2) 2011-05-11

---

[11] **2,835,207**
[13] C
[51] **Int.Cl. B65B 29/00 (2006.01) A24B 13/00 (2006.01) B65B 63/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR STAINING A TOBACCO POUCH PRODUCT**
[54] **APPAREIL ET PROCEDE PERMETTANT DE COLORER UN PRODUIT DE BLAGUE A TABAC**
[72] GRISCIK, GREGORY J., US
[72] GARTHAFFNER, TRAVIS M., US
[73] ALTRIA CLIENT SERVICES LLC, US
[85] 2013-11-05
[86] 2012-05-04 (PCT/US2012/036482)
[87] (WO2012/154543)
[30] US (13/102,892) 2011-05-06

---

[11] **2,835,501**
[13] C
[51] **Int.Cl. H01J 49/42 (2006.01)**
[25] EN
[54] **MASS ANALYSER**
[54] **ANALYSEUR DE MASSE**
[72] DENISOV, EDUARD V., DE
[72] KHOLOMEEV, ALEXANDER, DE
[72] HAUSCHILD, JAN-PETER, DE
[72] MAKAROV, ALEXANDER ALEKSEEVICH, DE
[73] THERMO FISHER SCIENTIFIC (BREMEN) GMBH, DE
[85] 2013-11-08
[86] 2012-05-14 (PCT/EP2012/058941)
[87] (WO2012/152950)
[30] GB (1107959.7) 2011-05-12

[11] **2,836,643**
[13] C
[51] **Int.Cl. A61K 9/72 (2006.01) A61K 9/14 (2006.01) A61K 38/14 (2006.01) A61P 11/00 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **DRY POWDER VANCOMYCIN COMPOSITIONS AND ASSOCIATED METHODS**
[54] **COMPOSITIONS DE POUDRE SECHE DE VANCOMYCINE ET METHODES ASSOCIEES**
[72] LORD, JOHN, US
[72] JOUHIKAINEN, JAAKKO TANELI, US
[72] SNYDER, HERMAN E., US
[72] SONI, PRAVIN, US
[72] KUO, MEI-CHANG, US
[73] SAVARA, INC., US
[85] 2013-11-18
[86] 2012-05-21 (PCT/US2012/038775)
[87] (WO2012/159103)
[30] US (61/487,971) 2011-05-19

---

[11] **2,838,628**
[13] C
[51] **Int.Cl. F16L 1/11 (2006.01) E03B 7/07 (2006.01) F16L 11/12 (2006.01) G01N 37/00 (2006.01) G02B 6/50 (2006.01) H02G 3/04 (2006.01)**
[25] EN
[54] **DUCT SYSTEM INCLUDING INFORMATION MODULES CONFIGURED TO EMIT POSITIONAL INFORMATION AND METHOD OF THE SAME**
[54] **RESEAU DE CONDUITS COMPORTANT DES MODULES D'INFORMATION CONFIGURES POUR EMETTRE DE L'INFORMATION DE POSITIONNEMENT ET METHODE ASSOCIEE**
[72] GRIMSLEY, TIMOTHY A., US
[72] MCCALL, THOMAS, US
[73] DURA-LINE CORPORATION, US
[86] (2838628)
[87] (2838628)
[22] 2014-01-07
[30] US (14/146,874) 2014-01-03
[30] US (61/750,103) 2013-01-08

---

[11] **2,839,430**
[13] C
[51] **Int.Cl. B64C 1/00 (2006.01) B64C 1/40 (2006.01) B64D 11/00 (2006.01) F16F 7/104 (2006.01) F16F 15/02 (2006.01) F16L 3/22 (2006.01)**
[25] EN
[54] **VIBRATION ISOLATION SYSTEM**
[54] **SYSTEME D'ISOLATION DES VIBRATIONS**
[72] WANG, TONGAN, US
[72] HORNICK, DAVID C., US
[72] MAXON, JOHN W., JR., US
[72] FOOSE, ANDREW S., US
[72] FILA, JOSEF A., US
[73] GULFSTREAM AEROSPACE CORPORATION, US
[85] 2013-12-13
[86] 2012-04-11 (PCT/US2012/033124)
[87] (WO2012/142161)
[30] US (13/084,200) 2011-04-11

---

[11] **2,839,579**
[13] C
[51] **Int.Cl. A21D 2/18 (2006.01) A21D 13/02 (2006.01)**
[25] EN
[54] **HEALTHY LAYERED COOKIE**
[54] **BISCUIT EN COUCHES SAIN**
[72] LANVIN, LIONEL, FR
[72] VEREL, ALIETTE, FR
[72] ARLOTTI, AGATHE, FR
[73] GENERALE BISCUIT, FR
[85] 2013-12-16
[86] 2012-06-20 (PCT/EP2012/061888)
[87] (WO2012/120155)
[30] EP (11290278.8) 2011-06-20
[30] EP (11290279.6) 2011-06-20
[30] US (61/498,986) 2011-06-20

---

[11] **2,839,658**
[13] C
[51] **Int.Cl. H02J 13/00 (2006.01) H02J 3/00 (2006.01)**
[25] FR
[54] **SWITCHING APPARATUS, CONTROL SYSTEM AND METHOD FOR VARYING AN IMPEDANCE OF A PHASE LINE**
[54] **APPAREIL DE COMMUTATION, SYSTEME DE CONTROLE ET METHODE POUR VARIER L'IMPEDANCE D'UNE LIGNE DE PHASE**
[72] COUTURE, PIERRE, CA
[73] HYDRO-QUEBEC, CA
[85] 2013-12-16
[86] 2011-07-22 (PCT/CA2011/000850)
[87] (WO2013/013282)

---

[11] **2,840,235**
[13] C
[51] **Int.Cl. C09K 8/80 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **LOW SURFACE FRICTION PROPPANTS**
[54] **AGENTS DE SOUTENEMENT A FAIBLE FROTTEMENT DE SURFACE**
[72] FANG, CHRISTOPHER Y., US
[72] CHATTERJEE, DILIP K., US
[72] SKALA, ROBERT D., US
[72] COKER, CHRISTOPHER E., US
[72] LOSCUTOVA, JOHN R., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2013-12-20
[86] 2012-07-13 (PCT/US2012/046578)
[87] (WO2013/010050)
[30] US (61/507,437) 2011-07-13

---

[11] **2,840,267**
[13] C
[51] **Int.Cl. H01L 27/146 (2006.01) H04N 5/335 (2011.01)**
[25] EN
[54] **MULTI-DEPTH-OF-FIELD LIGHT-SENSING DEVICE, SYSTEM, DEPTH OF FIELD EXTENSION METHOD, AND OPTICAL IMAGING SYSTEM**
[54] **DISPOSITIF PHOTOSENSIBLE A PROFONDEURS DE SCENE MULTIPLES, SYSTEME ASSOCIE, PROCEDE D'EXPANSION DE PROFONDEUR DE SCENE, ET SYSTEME DE FORMATION D'IMAGE OPTIQUE**
[72] HU, XIAOPING, CN
[73] BOLY MEDIA COMMUNICATIONS (SHENZHEN) CO., LTD, CN
[85] 2013-12-23
[86] 2011-06-24 (PCT/CN2011/076338)
[87] (WO2012/174752)

[11] **2,841,926**
[13] C
[51] **Int.Cl. E21B 41/02 (2006.01) E21B 43/27 (2006.01)**
[25] EN
[54] **METHOD OF CONTROLLING CORROSION RATE IN DOWNHOLE ARTICLE, AND DOWNHOLE ARTICLE HAVING CONTROLLED CORROSION RATE**
[54] **PROCEDE DE CONTROLE DE VITESSE DE CORROSION DANS UN ARTICLE EN FOND DE TROU, ET ARTICLE EN FOND DE TROU PRESENTANT UNE VITESSE DE CORROSION CONTROLEE**
[72] MAZYAR, OLEG A., US
[72] JOHNSON, MICHAEL, US
[72] GAUDETTE, SEAN, US
[73] BAKER HUGHES INCORPORATED, US
[85] 2014-01-13
[86] 2012-07-30 (PCT/US2012/048792)
[87] (WO2013/022635)
[30] US (13/204,359) 2011-08-05

---

[11] **2,842,011**
[13] C
[51] **Int.Cl. F16J 15/52 (2006.01) F04B 47/06 (2006.01) F04D 13/10 (2006.01) F04D 29/10 (2006.01) H02K 5/124 (2006.01) H02K 5/132 (2006.01)**
[25] EN
[54] **HIGH TEMPERATURE MOTOR SEAL FOR ARTIFICIAL LIFT SYSTEM**
[54] **JOINT DE MOTEUR HAUTE TEMPERATURE POUR SYSTEME DE LEVAGE ARTIFICIEL**
[72] SANTOS, ENRIQUE C., CA
[72] MADAMBA, EDISON R., CA
[73] OILFIELD EQUIPMENT DEVELOPMENT CENTER LIMITED, SC
[86] (2842011)
[87] (2842011)
[22] 2014-02-06
[30] US (61/761,976) 2013-02-07

---

[11] **2,844,193**
[13] C
[51] **Int.Cl. F16L 37/00 (2006.01) B67D 7/04 (2010.01) B67D 7/32 (2010.01) F16K 51/00 (2006.01) F16L 25/00 (2006.01) F16L 37/18 (2006.01)**
[25] EN
[54] **FLOW VALVE WITH COMPONENTS WHICH PREVENT INTERCHANGEABILITY**
[54] **VANNE DE REGLAGE DOTEE DE COMPOSANTES EMPECHANT L'ECHANGE**
[72] ZONNEVELD, EDWIN JOHN WILLIAM, CA
[72] STEAD, KELLY MAXWELL, CA
[73] ZONNEVELD, EDWIN JOHN WILLIAM, CA
[73] STEAD, KELLY MAXWELL, CA
[86] (2844193)
[87] (2844193)
[22] 2014-02-24

---

[11] **2,846,173**
[13] C
[51] **Int.Cl. G06Q 50/08 (2012.01) G09B 29/10 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INTEGRATION AND CORRELATION OF GIS DATA**
[54] **SYSTEME ET PROCEDE POUR L'INTEGRATION ET LA CORRELATION DES DONNEES GIS**
[72] TUCKER, NELSON P., US
[72] COLBY, DANIEL E., US
[72] FORSTER, PETER J.L., US
[72] SLUSARENKO, WILLIAM S., US
[73] PROSTAR GEOCORP, INC., US
[86] (2846173)
[87] (2846173)
[22] 2014-03-14
[30] US (61/788416) 2013-03-15

---

[11] **2,846,363**
[13] C
[51] **Int.Cl. E21B 33/04 (2006.01) E21B 19/02 (2006.01) E21B 19/06 (2006.01)**
[25] EN
[54] **WELL MULTIPLE CASING INSTALLATION SYSTEM**
[54] **SYSTEME D'INSTALLATION DE TUBAGE DE PUITS MULTIPLE**
[72] MILLER, DAVID M., US
[73] MILLER, DAVID M., US
[86] (2846363)
[87] (2846363)
[22] 2014-03-13
[30] US (13/987,729) 2013-08-26

---

[11] **2,846,733**
[13] C
[51] **Int.Cl. B65D 63/00 (2006.01) A45C 13/30 (2006.01)**
[25] EN
[54] **CONTAINER, AND USE OF THE CONTAINER AS A TRIM PAINT PAIL**
[54] **CONTENANT ET SON UTILISATION COMME BAC DE PEINTURE A MOULURE**
[72] ARVINTE, ROMEO, CA
[72] PANFILI, FRANCOIS, CA
[73] A. RICHARD TOOLS CO./OUTILS A. RICHARD CO., CA
[86] (2846733)
[87] (2846733)
[22] 2014-03-17
[30] US (61/792,303) 2013-03-15

[11] **2,847,880**
[13] C
[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/76 (2006.01) A61M 39/22 (2006.01)**
[25] EN
[54] **PROSTHETIC MITRAL VALVE WITH VENTRICULAR TETHERS AND METHODS FOR IMPLANTING SAME**
[54] **PROTHESE DE VALVULE MITRALE AVEC AMARRES VENTRICULAIRES ET SES METHODES D'IMPLANTATION**
[72] MIGLIAZZA, JOHN F., US
[72] LAFRANCE, HUGUES, US
[72] CHEN, HARVEY H., US
[72] OBA, TRAVIS Z., US
[73] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2014-03-05
[86] 2012-09-26 (PCT/US2012/057352)
[87] (WO2013/049218)
[30] US (61/539,356) 2011-09-26
[30] US (13/626,732) 2012-09-25

[11] **2,848,272**
[13] C
[51] **Int.Cl. G01N 21/88 (2006.01) G01M 17/00 (2006.01) G01M 17/08 (2006.01)**
[25] EN
[54] **THERMAL IMAGING-BASED VEHICLE ANALYSIS**
[54] **ANALYSE DE VEHICULES A BASE D'IMAGERIE THERMIQUE**
[72] MIAN, ZAHID F., US
[72] MULLANEY, JEREMY C., US
[72] GLASSER, NICHOLAS, US
[73] INTERNATIONAL ELECTRONIC MACHINES CORP., US
[86] (2848272)
[87] (2848272)
[22] 2009-10-22
[62] 2,743,237
[30] US (61/193,012) 2008-10-22

[11] **2,848,875**
[13] C
[51] **Int.Cl. C12N 5/09 (2010.01) C12M 3/00 (2006.01)**
[25] EN
[54] **ADHERENT CELL CULTURE METHOD**
[54] **PROCEDE DE CULTURE DE CELLULES ADHERENTES**
[72] EJIRI, YOKO, JP
[72] AYANO, SATORU, JP
[72] HOSODA, MASAYA, JP
[72] TAZAKI, GO, JP
[73] KURARAY CO., LTD., JP
[85] 2014-03-14
[86] 2012-09-20 (PCT/JP2012/005965)
[87] (WO2013/042360)
[30] JP (2011-204796) 2011-09-20

[11] **2,849,706**
[13] C
[51] **Int.Cl. C09C 1/30 (2006.01) C09C 1/40 (2006.01)**
[25] EN
[54] **TREATED FILLERS, COMPOSITIONS CONTAINING SAME, AND ARTICLES PREPARED THEREFROM**
[54] **CHARGES TRAITEES, COMPOSITIONS CONTENANT CELLES-CI, ET ARTICLES PREPARES A PARTIR DE CELLES-CI**
[72] MARTIN, JUSTIN J., US
[72] OKEL, TIMOTHY A., US
[72] KOLLAH, RAPHAEL O., US
[73] PPG INDUSTRIES OHIO, INC., US
[85] 2014-03-21
[86] 2012-09-21 (PCT/US2012/056464)
[87] (WO2013/043955)
[30] US (61/538,219) 2011-09-23
[30] US (13/623,147) 2012-09-20

[11] **2,849,915**
[13] C
[51] **Int.Cl. H04N 21/422 (2011.01)**
[25] EN
[54] **ASSISTING USE OF CONTROL DEVICES WITH DIFFERENT ELECTRONIC DEVICES**
[54] **AIDE A L'UTILISATION DE DISPOSITIFS DE COMMANDE AVEC DIFFERENTS DISPOSITIFS ELECTRONIQUES**
[72] REAMS, WILLIAM R., US
[73] ECHOSTAR TECHNOLOGIES L.L.C., US
[85] 2014-03-24
[86] 2012-09-28 (PCT/US2012/058006)
[87] (WO2013/049630)
[30] US (13/249,126) 2011-09-29
[30] US (13/287,988) 2011-11-02

[11] **2,850,800**
[13] C
[51] **Int.Cl. B64C 1/26 (2006.01) B64C 1/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR JOINING COMPOSITE STRUCTURES OF AIRCRAFTS**
[54] **APPAREIL ET METHODES DE JOINTAGE DE STRUCTURES MIXTES D'AERONEFS**
[72] ZEON, YOUNG, US
[72] ACHTNER, GERFRIED RUDOLF, US
[72] STRACHILA, JOSEPH, US
[73] THE BOEING COMPANY, US
[86] (2850800)
[87] (2850800)
[22] 2014-05-01
[30] US (13/938,731) 2013-07-10

[11] **2,853,014**
[13] C
[51] **Int.Cl. G01B 21/20 (2006.01) B65D 19/00 (2006.01)**
[25] EN
[54] **SOFTWARE AND METHODS FOR AUTOMATED PALLET INSPECTION AND REPAIR**
[54] **LOGICIEL ET PROCEDES POUR L'INSPECTION ET LA REPARATION AUTOMATISEES DE PALETTES**
[72] TOWNSEND, STEVE, AU
[72] LUCAS, MICHAEL DAVID, AU
[73] CHEP TECHNOLOGY PTY LIMITED, AU
[86] (2853014)
[87] (2853014)
[22] 2004-12-17
[62] 2,549,057
[30] AU (2003907024) 2003-12-19

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[11] **2,854,389**
[13] C
[51] **Int.Cl. E04C 1/00 (2006.01) E02D 29/02 (2006.01) E04B 2/14 (2006.01)**
[25] EN
[54] **MODULAR CONSTRUCTION BLOCK**
[54] **BLOC DE CONSTRUCTION MODULAIRE**
[72] NEWSOME, CHARLES BENJAMIN, US
[72] WALL, JODY RYAN, US
[72] MEADE, WILLIAM CLYDE, US
[73] JOHNSON CONCRETE COMPANY, US
[86] (2854389)
[87] (2854389)
[22] 2014-06-17
[30] US (13/924,722) 2013-06-24

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[11] **2,854,572**
[13] C
[51] **Int.Cl. E21B 43/27 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **A METHOD FOR FRACTURING SUBTERRANEAN ROCK**
[54] **UNE METHODE DE FRACTURATION DE ROCHE SOUTERRAINE**
[72] VANDEPONSEELE, ANGELA LEE, CA
[72] MESTEMACHER, STEVEN ALAN, US
[73] WELLBORE ENERGY SALES LTD., CA
[86] (2854572)
[87] (2854572)
[22] 2014-06-18
[30] US (61/836,762) 2013-06-19

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[11] **2,859,371**
[13] C
[51] **Int.Cl. G01S 19/21 (2010.01) H04B 1/10 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETECTION OF RF SIGNAL SPOOFING**
[54] **SYSTEME ET PROCEDE POUR LA DETECTION DE BROUILLAGE DE SIGNAL RF**
[72] DICKMAN, JEFF, US
[72] AHMADI, REZA, US
[72] COSGROVE, MATHEW A., US
[72] GUNAWARDENA, SANJEEV, US
[73] NORTHROP GRUMMAN GUIDANCE AND ELECTRONICS COMPANY, INC., US
[85] 2014-06-13
[86] 2012-12-13 (PCT/US2012/069500)
[87] (WO2013/090568)
[30] US (61/570,919) 2011-12-15

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[11] **2,860,253**
[13] C
[51] **Int.Cl. G08B 5/40 (2006.01) F42B 23/00 (2006.01)**
[25] EN
[54] **A PASSIVE ALARM TO PREVENT BURIED INFRASTRUCTURE DAMAGE**
[54] **ALARME PASSIVE POUR EMPECHER UNE DETERIORATION A UNE INFRASTRUCTURE ENFOUIE**
[72] DUNN, RYAN C., US
[72] DAVIS, GUY D., US
[72] ROSS, ROBERT A., US
[72] BELL, PAUL A., US
[72] BRAKELEY, NATHANIEL M., US
[72] SCHECHTER, EMILY A., US
[72] BRYANT, AMBER M., US
[73] EAS IP, LLC, US
[85] 2014-06-20
[86] 2012-12-20 (PCT/US2012/071096)
[87] (WO2013/096702)
[30] US (61/578,698) 2011-12-21

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[11] **2,860,372**
[13] C
[51] **Int.Cl. A62C 37/50 (2006.01) F23C 1/00 (2006.01) F23Q 9/00 (2006.01)**
[25] EN
[54] **SYSTEM AND COMPONENTS FOR EVALUATING THE PERFORMANCE OF FIRE SAFETY PROTECTION DEVICES**
[54] **SYSTEME ET ELEMENTS D'EVALUATION DES PERFORMANCES DE DISPOSITIFS DE PROTECTION DE SECURITE-INCENDIE**
[72] YU, HONG-ZENG, US
[72] D'ANIELLO, STEPHEN P., US
[73] FACTORY MUTUAL INSURANCE COMPANY, US
[85] 2014-06-23
[86] 2012-12-03 (PCT/US2012/067611)
[87] (WO2013/122660)
[30] US (13/371,630) 2012-02-13

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[11] **2,860,496**
[13] C
[51] **Int.Cl. H01R 39/08 (2006.01) F03D 1/00 (2006.01) H01R 39/24 (2006.01) H01R 43/14 (2006.01)**
[25] EN
[54] **SLIP RING ASSEMBLY**
[54] **TRANSMETTEUR A BAGUE COLLECTRICE**
[72] BEEKMANN, ALFRED, DE
[73] WOBBEN PROPERTIES GMBH, DE
[85] 2014-06-25
[86] 2013-01-11 (PCT/EP2013/050520)
[87] (WO2013/107699)
[30] DE (10 2012 200 561.7) 2012-01-16

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[11] **2,860,743**
[13] C
[51] **Int.Cl. G06Q 50/06 (2012.01)**
[25] EN
[54] **POWER DEMAND ADJUSTMENT SYSTEM AND POWER DEMAND ADJUSTMENT METHOD**
[54] **SYSTEME DE REGLAGE DE DEMANDE D'ENERGIE ET PROCEDE DE REGLAGE DE DEMANDE D'ENERGIE**
[72] WATANABE, TOHRU, JP
[72] YUASA, NAOHIRO, JP
[72] TSUYUZAKI, MASAO, JP
[72] KOBAYASHI, NOBUHISA, JP
[72] TADA, MASAO, JP
[72] OOTAKE, YUUICHI, JP
[72] TSUCHIYA, CHIEMI, JP
[72] UTSUMI, MASATO, JP
[73] HITACHI, LTD., JP
[85] 2014-07-07
[86] 2012-02-02 (PCT/JP2012/052381)
[87] (WO2013/114601)

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[11] **2,860,818**
[13] C
[51] **Int.Cl. F23D 1/00 (2006.01) F16L 57/06 (2006.01)**
[25] EN
[54] **FUEL HEAD ASSEMBLY WITH REPLACEABLE WEAR COMPONENTS**
[54] **ENSEMBLE TETE DE COMBUSTIBLE A PIECES D'USURE REMPLACABLES**
[72] BLISS, THERON J., US
[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2014-07-07
[86] 2013-01-13 (PCT/IB2013/050303)
[87] (WO2013/105072)
[30] US (61/585,804) 2012-01-12
[30] US (13/554,124) 2012-07-20

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[11] **2,862,839**
[13] C
[51] **Int.Cl. A01G 23/04 (2006.01) A01G 23/02 (2006.01) A01G 29/00 (2006.01) C05F 11/10 (2006.01)**
[25] EN
[54] **ROOT PROTECTING AND ACTIVATING MEMBER FOR GREEN TREE**
[54] **ELEMENT ACTIVATEUR POUR PROTEGER LES RACINES DES ARBRES VERTS**
[72] JANG, YONG GI, KR
[73] NOKSAEK, INC., KR
[85] 2014-07-08
[86] 2012-11-28 (PCT/KR2012/010186)
[87] (WO2013/108987)
[30] KR (10-2012-0006296) 2012-01-19
[30] KR (10-2012-0018714) 2012-02-23

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[11] **2,863,935**
[13] C
[51] **Int.Cl. A01G 25/02 (2006.01)**
[25] EN
[54] **GARDEN PLOT WATERING ENCLOSURE**
[54] **ENCEINTE D'ARROSAGE DE LOT A CULTIVER**
[72] KAMINSKI, MICHAEL A., CA
[73] KAMINSKI, MICHAEL A., CA
[86] (2863935)
[87] (2863935)
[22] 2014-09-17
[30] US (14481173) 2014-09-09

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[11] **2,865,776**
[13] C
[51] **Int.Cl. A43B 5/06 (2006.01) A43B 7/14 (2006.01)**
[25] EN
[54] **FOOTWEAR INCLUDING A SUPPORT CAGE**
[54] **CHAUSSURE COMPORTANT UNE CAGE DE SUPPORT**
[72] MAHONEY, CHRISTOPHER J., US
[73] WOLVERINE OUTDOORS, INC., US
[86] (2865776)
[87] (2865776)
[22] 2014-09-30
[30] US (14/498,047) 2014-09-26
[30] US (29/503,523) 2014-09-26
[30] US (29/503,519) 2014-09-26

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[11] **2,867,647**
[13] C
[51] **Int.Cl. D06M 17/10 (2006.01) B32B 5/04 (2006.01) B32B 7/14 (2006.01) B32B 27/12 (2006.01)**
[25] EN
[54] **LAMINATED ARTICLES HAVING DISCONTINUOUS ADHESIVE REGIONS**
[54] **ARTICLES STRATIFIES QUI COMPRENNENT DES REGIONS ADHESIVES DISCONTINUES**
[72] KELSEY, WILLIAM D., US
[72] MC ADAMS, BRIAN J., US
[73] W.L. GORE & ASSOCIATES, INC., US
[85] 2014-09-16
[86] 2013-03-28 (PCT/US2013/034428)
[87] (WO2013/149047)
[30] US (13/432,613) 2012-03-28
[30] US (13/843,682) 2013-03-15
[30] US (13/851,761) 2013-03-27

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[11] **2,868,938**
[13] C
[51] **Int.Cl. A61K 31/17 (2006.01) A61P 33/14 (2006.01)**
[25] EN
[54] **TREATMENT OF FISH POPULATIONS WITH LUFENURON**
[54] **TRAITEMENT DE POPULATIONS DE POISSONS AVEC DU LUFENURON**
[72] BLASER, DAVID, CH
[72] BOUVIER, JACQUES, CH
[72] FINK, MARTIN, CH
[72] MCHENERY, JOHN GERARD, GB
[72] NANCHEN, STEVE, CH
[73] NOVARTIS TIERGESUNDHEIT AG, CH
[85] 2014-09-29
[86] 2013-05-08 (PCT/EP2013/059558)
[87] (WO2013/167640)
[30] EP (12167101.0) 2012-05-08

[11] **2,869,139**
[13] C
[51] **Int.Cl. C22C 38/24 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01)**
[25] EN
[54] **STEEL FOR WHEEL**
[54] **ACIER POUR UNE ROUE DE VEHICULE**
[72] YAMAMOTO, YUICHIRO, JP
[72] TAKESHITA, YUKITERU, JP
[72] KIRIYAMA, KENTARO, JP
[72] KATO, TAKANORI, JP
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2014-09-30
[86] 2013-04-08 (PCT/JP2013/060588)
[87] (WO2013/161548)
[30] JP (2012-102821) 2012-04-27

[11] **2,870,392**
[13] C
[51] **Int.Cl. A61F 2/06 (2013.01)**
[25] EN
[54] **FLOW REDUCING IMPLANT**
[54] **IMPLANT REDUCTEUR DE FLUX**
[72] BEN MUVHAR, SHMUEL, IL
[72] SHALEV, IIAN, IL
[72] TSEHORI, JONATHAN, IL
[72] DARVISH, NISSIM, IL
[73] NEOVASC MEDICAL LTD., IL
[86] (2870392)
[87] (2870392)
[22] 2002-10-03
[62] 2,769,574
[30] IL (145750) 2001-10-04
[30] IL (151162) 2002-08-08

[11] **2,879,235**
[13] C
[51] **Int.Cl. H04N 5/272 (2006.01) H04N 21/40 (2011.01) H04N 21/80 (2011.01) G06Q 30/02 (2012.01) G06K 9/62 (2006.01)**
[25] EN
[54] **SCHEME FOR DETERMINING THE LOCATIONS AND TIMING OF ADVERTISEMENTS AND OTHER INSERTIONS IN MEDIA**
[54] **SCENARIO SERVANT A DETERMINER LES EMPLACEMENTS ET LE MOMENT DU DEROULEMENT DE PUBLICITES ET D'AUTRES INSERTIONS DANS LES MEDIAS**
[72] ZALEWSKI, GARY M., US
[73] SONY INTERACTIVE ENTERTAINMENT AMERICA LLC, US
[86] (2879235)
[87] (2879235)
[22] 2015-01-22
[30] US (14/175,996) 2014-02-07

[11] **2,880,247**
[13] C
[51] **Int.Cl. A61C 13/235 (2006.01) A61C 8/00 (2006.01)**
[25] EN
[54] **IMPLANT OVERDENTURE SYSTEM AND IMPLANT**
[54] **SYSTEME DE PROTHESE HYBRIDE PAR IMPLANT, ET IMPLANT**
[72] ARAI, KAZUO, JP
[72] HONKURA, YOSHINOBU, JP
[72] TAKEUCHI, YASUHIRO, JP
[72] WIGIANTO, RUDI, ID
[73] AICHI STEEL CORPORATION, JP
[85] 2015-01-27
[86] 2013-06-04 (PCT/JP2013/065430)
[87] (WO2014/020985)
[30] JP (2012-171443) 2012-08-01

[11] **2,881,613**
[13] C
[51] **Int.Cl. A01N 1/02 (2006.01) A61M 16/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR EX VIVO ORGAN CARE**
[54] **SYSTEMES ET METHODES DE TRAITEMENT EX VIVO D'ORGANES**
[72] KYI, STANLEY, US
[72] HAVENER, ROBERT, US
[72] HASSANEIN, WALEED, US
[72] KHAYAL, TAMER, US
[72] SALEH, HESHAM, US
[72] FATTAH, IHAB ABDEL, US
[72] TRACHTENBERG, JON, US
[73] TRANSMEDICS, INC., US
[86] (2881613)
[87] (2881613)
[22] 2007-04-19
[62] 2,649,703
[30] US (60/793,472) 2006-04-19

[11] **2,884,667**
[13] C
[51] **Int.Cl. B23K 37/00 (2006.01) B23K 9/24 (2006.01) B23K 9/32 (2006.01)**
[25] EN
[54] **ELECTRODE CAP GRINDING AND CHANGING AIO (ALL-IN-ONE) MACHINE**
[54] **MACHINE INTEGREE DE MODIFICATION ET DE MEULAGE DE COUVRE-ELECTRODE**
[72] YAO, WEIBING, CN
[72] ZHANG, TING, CN
[72] ZHENG, LIANJUN, CN
[72] CAO, XINGDA, CN
[72] SUN, ZHICHENG, CN
[72] YANG, YONGFENG, CN
[72] CHENG, ZHIHAO, CN
[72] CHEN, ZHENCHENG, CN
[72] HE, YI, CN
[73] GUANGZHOU MINO AUTOMOTIVE EQUIPMENT CO., LTD., CN
[86] (2884667)
[87] (2884667)
[22] 2015-03-13
[30] CN (201410098341 7) 2014-03-14
[30] CN (201410186231 6) 2014-05-05
[30] CN (201420660686 2) 2014-11-05

[11] **2,885,543**
[13] C
[51] **Int.Cl. B21J 15/14 (2006.01) B25B 11/00 (2006.01)**
[25] EN
[54] **MANUFACTURING METHOD AND ROBOTIC ASSEMBLY SYSTEM**
[54] **PROCEDE DE FABRICATION ET SYSTEME D'ASSEMBLAGE ROBOTIQUE ASSOCIE**
[72] SARH, BRANKO, US
[72] OBEROI, HARINDER S., US
[72] WRIGHT, RODNEY S., US
[72] MILLER, JEFF, US
[73] THE BOEING COMPANY, US
[85] 2015-03-17
[86] 2013-10-08 (PCT/US2013/063800)
[87] (WO2014/058827)
[30] US (13/648,871) 2012-10-10

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[11] **2,886,031**
[13] C
[51] **Int.Cl. B65D 33/00 (2006.01) B65D 33/25 (2006.01)**
[25] EN
[54] **STORAGE BAG WITH DIMPLE FEATURES**
[54] **SAC DE STOCKAGE PRESENTANT DES CARACTERISTIQUES D'ONDULATION**
[72] DAIS, BRIAN C., US
[72] MUSALIAR, IMTIAZ A., US
[72] LY, BUNLIM, US
[72] PORCHIA, JOSE, US
[72] STARK, TIMOTHY D., US
[72] HORN, JONATHAN DAVID, US
[72] WEISENBERGER, PAMELA J., US
[72] ALTHOFF, CHARLES P., US
[72] COHEN, ERICA EDEN, US
[73] S.C. JOHNSON & SON, INC., US
[85] 2015-03-23
[86] 2013-09-26 (PCT/US2013/061910)
[87] (WO2014/052582)
[30] US (13/631,549) 2012-09-28
[30] US (13/631,513) 2012-09-28

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[11] **2,887,390**
[13] C
[51] **Int.Cl. G06Q 50/30 (2012.01)**
[25] EN
[54] **IN-LINE IMAGES IN MESSAGES**
[54] **IMAGES EN LIGNE DANS DES MESSAGES**
[72] BUENO, CARLOS M., US
[72] ALLEN, JOHN R., US
[73] FACEBOOK, INC., US
[85] 2015-03-26
[86] 2013-09-23 (PCT/US2013/061103)
[87] (WO2014/058602)
[30] US (13/648,156) 2012-10-09

---

[11] **2,888,155**
[13] C
[51] **Int.Cl. A47C 1/025 (2006.01)**
[25] EN
[54] **TENSION ADJUST DEVICE FOR A CHAIR AND CHAIR**
[54] **DISPOSITIF DE REGLAGE DE TENSION POUR UNE CHAISE ET CHAISE**
[72] COSTAGLIA, MASSIMO, IT
[73] L&P PROPERTY MANAGEMENT COMPANY, US
[85] 2015-04-13
[86] 2012-10-19 (PCT/EP2012/004402)
[87] (WO2014/060007)

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[11] **2,888,820**
[13] C
[51] **Int.Cl. E04D 1/28 (2006.01) E04D 1/22 (2006.01)**
[25] EN
[54] **ROOFING SHINGLE SYSTEM AND SHINGLES FOR USE THEREIN**
[54] **SYSTEME DE BARDEAUX DE TOITURE ET BARDEAUX DESTINES AUDIT SYSTEME**
[72] BUZZA, STEPHEN A., US
[73] BUILDING MATERIALS INVESTMENT CORPORATION, US
[86] (2888820)
[87] (2888820)
[22] 2015-04-22
[30] US (14/266,294) 2014-04-30
[30] US (14/527,279) 2014-10-29

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[11] **2,889,095**
[13] C
[51] **Int.Cl. G06F 17/00 (2006.01)**
[25] EN
[54] **AUTOMATIC CUSTOMIZATION OF A SOFTWARE APPLICATION**
[54] **PERSONNALISATION AUTOMATIQUE D'UNE APPLICATION LOGICIELLE**
[72] VERMA, ANSHU, IN
[72] CHITHAMBARAM, NEMMARA S., US
[72] RANGANATH, VISHWANATH, IN
[72] SHAPIRO, JOHN ROBERT, US
[73] INTUIT INC., US
[85] 2015-04-20
[86] 2013-08-29 (PCT/US2013/057340)
[87] (WO2014/200517)
[30] US (13/917,498) 2013-06-13

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[11] **2,889,102**
[13] C
[51] **Int.Cl. B29C 53/56 (2006.01) B29C 53/80 (2006.01) B65H 49/00 (2006.01) B65H 69/06 (2006.01) B29C 70/38 (2006.01) F03D 1/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD TO MANUFACTURE SEMI-FINISHED PRODUCTS FOR WIND POWER INSTALLATION ROTOR BLADES AS WELL AS ROTOR BLADE AND WIND POWER INSTALLATIONS**
[54] **APPAREIL ET PROCEDE DE FABRICATION DE PRODUITS SEMI-FINIS POUR PALES DE ROTOR D'UNE INSTALLATION A ENERGIE EOLIENNE, AINSI QUE PALE DE ROTOR ET INSTALLATIONS A ENERGIE EOLIENNE**
[72] HOFFMANN, ALEXANDER, DE
[72] FRIEDE, PETER, DE
[72] GEBERS, JENS, DE
[72] KNOOP, FRANK, DE
[73] WOBBEN PROPERTIES GMBH, DE
[85] 2015-04-21
[86] 2013-09-25 (PCT/EP2013/069938)
[87] (WO2014/072120)
[30] DE (10 2012 021 802.8) 2012-11-08
[30] DE (10 2013 204 635.9) 2013-03-15

[11] 2,890,039
[13] C
[51] **Int.Cl. G06F 3/048 (2013.01) G06F 3/14 (2006.01)**
[25] EN
[54] **SCROLLING THROUGH A SERIES OF CONTENT ITEMS**
[54] **DEFILEMENT D'UNE SERIE D'ELEMENTS DE CONTENU**
[72] MATAS, MICHAEL, US
[73] FACEBOOK, INC., US
[85] 2015-04-29
[86] 2013-10-31 (PCT/US2013/067650)
[87] (WO2014/078084)
[30] US (13/677,104) 2012-11-14

[11] 2,890,150
[13] C
[51] **Int.Cl. E21B 47/09 (2012.01) E21B 47/092 (2012.01) E21B 43/10 (2006.01)**
[25] EN
[54] **PASSIVE MAGNETIC RANGING FOR SAGD AND RELIEF WELLS VIA A LINEARIZED TRAILING WINDOW KALMAN FILTER**
[54] **TELEMETRIE MAGNETIQUE PASSIVE POUR SAGD ET PUITS D'INTERVENTION PAR FILTRE DE KALMAN A FENETRE DE SUIVI LINEARISEE**
[72] HANAK, FRANCIS CHAD, US
[72] ESTES, ROBERT A., US
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-04-30
[86] 2013-10-23 (PCT/US2013/066278)
[87] (WO2014/070536)
[30] US (13/666,646) 2012-11-01

[11] 2,890,825
[13] C
[51] **Int.Cl. E06B 9/13 (2006.01) E06B 9/58 (2006.01) E06B 9/62 (2006.01)**
[25] EN
[54] **ROLLING GATE HAVING A DOOR LEAF IN THE FORM OF A FLEXIBLE CURTAIN**
[54] **PORTE ROULANTE PRESENTANT UN VANTAIL EN FORME DE RIDEAU SOUPLE**
[72] BOGATAJ, MARKO, SI
[72] DOLINSEK, MARKO, SI
[72] MAZEJ, ANDREJ, SI
[73] EFAFLEX INZENIRING D.O.O. LJUBLJANA, SI
[85] 2015-05-08
[86] 2013-08-22 (PCT/EP2013/067473)
[87] (WO2014/082764)
[30] DE (10 2012 111 611.3) 2012-11-29

[11] 2,893,046
[13] C
[51] **Int.Cl. G01M 1/22 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROTECTING ROTARY MACHINES**
[54] **SYSTEME ET PROCEDE DE PROTECTION DE MACHINES ROTATIVES**
[72] CARDINAL, MARK EDWARD, US
[72] GANDHI, JIGNESH GOVINDLAL, US
[72] DEWEY, ROBERT J., US
[72] CLOSE, RYAN SPENCER, US
[72] DINJUS, THOMAS ERNST, US
[72] MOVISCHOFF, BERNARDO ADRIAN, US
[72] KORIM, DAVID CHARLES, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2893046)
[87] (2893046)
[22] 2015-05-28
[30] US (14/298,361) 2014-06-06

[11] 2,893,084
[13] C
[51] **Int.Cl. E21B 23/01 (2006.01) E21B 19/24 (2006.01)**
[25] EN
[54] **ANCHORING SYSTEM AND METHOD OF ANCHORING AND UNANCHORING THE SAME**
[54] **SYSTEME D'ANCRAGE ET PROCEDE PERMETTANT D'ANCRER ET DE DETACHER CELUI-CI**
[72] TONTI, NICHOLAS K., US
[72] JAMES, STEPHEN, US
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-05-29
[86] 2013-11-01 (PCT/US2013/068065)
[87] (WO2014/088737)
[30] US (13/708,240) 2012-12-07

[11] 2,893,085
[13] C
[51] **Int.Cl. G01V 8/10 (2006.01) G01N 21/84 (2006.01)**
[25] EN
[54] **POLARIZATION SCRAMBLING IN INTERFEROMETER SYSTEMS**
[54] **BROUILLAGE DE POLARISATION DANS DES SYSTEMES INTERFEROMETRIQUES**
[72] CHILDERS, BROOKS A., US
[72] DUNCAN, ROGER GLEN, US
[72] BALAGOPAL, AJIT, US
[72] PROVENZANO, DAN R., US
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-05-29
[86] 2013-11-01 (PCT/US2013/068068)
[87] (WO2014/088738)
[30] US (13/707,979) 2012-12-07

[11] 2,893,188
[13] C
[51] **Int.Cl. D06F 37/00 (2006.01) D06F 37/04 (2006.01)**
[25] EN
[54] **LAUNDRY TREATMENT APPARATUS WITH CONNECTOR UNIT TO PREVENT OR ALLOW CONTROL OF DRIVING UNIT**
[54] **APPAREIL DE TRAITEMENT DE LESSIVE DOTE D'UN MODULE DE CONNECTEUR SERVANT A EMPECHER OU A PERMETTRE LE CONTROLE DU MODULE D'ENTRAINEMENT**
[72] SANG, MINKYU, KR
[72] HEO, KWANGCHUL, KR
[73] LG ELECTRONICS INC., KR
[86] (2893188)
[87] (2893188)
[22] 2015-05-29
[30] KR (10-2014-0065884) 2014-05-30

[11] **2,893,299**
[13] C
[51] **Int.Cl. B23K 37/04 (2006.01) B23K 3/00 (2006.01)**
[25] EN
[54] **FIXTURE FOR HIGH TEMPERATURE JOINING**
[54] **ACCESSOIRE DE JOINTAGE HAUTE TEMPERATURE**
[72] RHODES, JEFFREY F., US
[72] NASH, CHRISTOPHER OWEN, US
[72] GARNER, RUSTY M., US
[73] ROLLS-ROYCE CORPORATION, US
[86] (2893299)
[87] (2893299)
[22] 2015-06-01
[30] US (62/006,763) 2014-06-02

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[11] **2,893,366**
[13] C
[51] **Int.Cl. B21D 51/26 (2006.01) B21D 41/04 (2006.01)**
[25] EN
[54] **KNOCKOUT FOR USE WHILE NECKING A METAL CONTAINER, DIE SYSTEM FOR NECKING A METAL CONTAINER AND METHOD OF NECKING A METAL CONTAINER**
[54] **DECOCHEUSE A UTILISER PENDANT LA RETREINTE D'UN CONTENANT METALLIQUE, SYSTEME DE MATRICE POUR RETREINDRE UN CONTENANT METALLIQUE ET PROCEDE DE RETREINTE D'UN CONTENANT METALLIQUE**
[72] BOYSEL, DARL G., US
[72] DICK, ROBERT E., US
[72] MYERS, GARY L., US
[72] MCNEISH, DAVID J., US
[73] ALCOA USA CORP., US
[85] 2015-06-01
[86] 2013-12-10 (PCT/US2013/074126)
[87] (WO2014/099496)
[30] US (13/722,290) 2012-12-20

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[11] **2,893,527**
[13] C
[51] **Int.Cl. A61B 5/0215 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **INTRA VASCULAR OPTICAL COHERENCE TOMOGRAPHY SYSTEM WITH PRESSURE MONITORING INTERFACE AND ACCESSORIES**
[54] **SYSTEME DE TOMOGRAPHIE A COHERENCE OPTIQUE INTRAVASCULAIRE AVEC ACCESSOIRES ET INTERFACE DE SURVEILLANCE DE PRESSION**
[72] SCHMITT, JOSEPH M., US
[72] PETROFF, CHRISTOPHER, US
[73] LIGHTLAB IMAGING, INC., US
[86] (2893527)
[87] (2893527)
[22] 2010-12-29
[62] 2,765,412
[30] WO (PCT/US2010/062330) 2010-12-29
[30] US (12/689,724) 2010-01-19

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[11] **2,895,636**
[13] C
[51] **Int.Cl. C22B 3/00 (2006.01) B01J 3/04 (2006.01) C02F 1/06 (2006.01) C22B 3/04 (2006.01)**
[25] EN
[54] **TOP-ENTRY FLASH VESSEL ARRANGEMENT**
[54] **AGENCEMENT DE BALLON DE FLASHING A ALIMENTATION PAR LE HAUT**
[72] O'CALLAGHAN, JOHN, FI
[73] OUTOTEC (FINLAND) OY, FI
[85] 2015-06-18
[86] 2013-12-30 (PCT/FI2013/051210)
[87] (WO2014/106683)
[30] FI (20126388) 2012-12-28

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[11] **2,896,868**
[13] C
[51] **Int.Cl. H05B 37/00 (2006.01) G01R 31/27 (2006.01) G08B 21/18 (2006.01) H05B 37/02 (2006.01)**
[25] EN
[54] **A METHOD AND APPARATUS FOR MONITORING LED BEACON LIGHTS**
[54] **PROCEDE ET APPAREIL DE SURVEILLANCE DE PHARES AERONAUTIQUES A DEL**
[72] PECK, JOHN PATRICK, US
[72] HEBBORN, KEVIN A., US
[73] DIALIGHT CORPORATION, US
[85] 2015-06-29
[86] 2013-12-30 (PCT/US2013/078283)
[87] (WO2014/106174)
[30] US (13/732,069) 2012-12-31

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[11] **2,897,373**
[13] C
[51] **Int.Cl. H04N 19/13 (2014.01) H04N 21/236 (2011.01) H04N 19/119 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/70 (2014.01) H04N 19/91 (2014.01)**
[25] EN
[54] **VIDEO DECODING METHOD, VIDEO DECODING DEVICE, AND VIDEO DECODING PROGRAM**
[54] **METHODE DE DECODAGE VIDEO, DISPOSITIF DE DECODAGE VIDEO ET PROGRAMME DE DECODAGE VIDEO**
[72] CHONO, KEIICHI, JP
[72] SENDA, YUZO, JP
[72] TAJIME, JUNJI, JP
[72] AOKI, HIROFUMI, JP
[72] SENZAKI, KENTA, JP
[73] NEC CORPORATION, JP
[86] (2897373)
[87] (2897373)
[22] 2011-11-22
[62] 2,819,014
[30] JP (2010-264320) 2010-11-26
[30] JP (2011-026331) 2011-02-09

[11] 2,897,397
[13] C
[51] **Int.Cl. E21B 43/10 (2006.01) C08L 75/04 (2006.01) C08L 101/12 (2006.01) C09K 8/00 (2006.01) E21B 33/12 (2006.01) E21B 43/08 (2006.01)**
[25] EN
[54] **PREVENTION, ACTUATION AND CONTROL OF DEPLOYMENT OF MEMORY-SHAPE POLYMER FOAM-BASED EXPANDABLES**
[54] **PREVENTION, ACTIONNEMENT ET COMMANDE DU DEPLOIEMENT DE MATERIAUX EXPANSIBLES A BASE DE MOUSSE POLYMERE A MEMOIRE DE FORME**
[72] JOHNSON, MICHAEL, US
[72] MAZYAR, OLEG A., US
[72] RICHARD, BENNETT M., US
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-07-06
[86] 2014-01-07 (PCT/US2014/010513)
[87] (WO2014/110040)
[30] US (13/740,936) 2013-01-14

[11] 2,897,693
[13] C
[51] **Int.Cl. B29C 45/80 (2006.01)**
[25] EN
[54] **MOLD POSITIONING DEVICE**
[54] **DISPOSITIF DE POSITIONNEMENT DE MOULE**
[72] HONTHEIM, DANIEL, DE
[72] BRAND, DIETMAR TIEMO, CA
[72] FISCH, RALF WALTER, DE
[72] KMOCH, SVEN, DE
[72] LOOIJE, ADRIAN PETER, CA
[72] LOOIJE, PETER ADRIAN, CA
[72] LUIJS, RUUD, NL
[72] MANDA, JAN MARIUS, CA
[72] PAPA, RENATO, CA
[72] SCHLUMS, DIRK, CA
[72] TENG, ALEX, CA
[72] WITZ, JEAN-CHRISTOPHE, FR
[72] GOW, GEOFFREY ANDREW, CA
[72] SODARO, BRUNO GIUSEPPE, CA
[72] BRADSHAW, MAXFIELD PAUL, CA
[72] KROMBERG, ANDRE AXEL, CA
[73] HUSKY INJECTION MOLDING SYSTEMS LTD., CA
[85] 2015-07-09
[86] 2013-12-06 (PCT/CA2013/050938)
[87] (WO2014/121372)
[30] US (61/761,354) 2013-02-06
[30] US (61/840,095) 2013-06-27
[30] US (61/875,764) 2013-09-10

[11] 2,898,150
[13] C
[51] **Int.Cl. H04N 19/174 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR VIDEO ENCODING FOR EACH SPATIAL SUB-AREA, AND METHOD AND APPARATUS FOR VIDEO DECODING FOR EACH SPATIAL SUB-AREA**
[54] **PROCEDE ET APPAREIL DE CODAGE VIDEO DE CHAQUE SOUS-ZONE SPATIALE ET PROCEDE ET APPAREIL DE DECODAGE DE CHAQUE SOUS-ZONE SPATIALE**
[72] LEE, TAMMY, KR
[72] CHOI, BYEONG-DOO, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[86] (2898150)
[87] (2898150)
[22] 2013-01-30
[62] 2,868,723
[30] US (61/592,572) 2012-01-30

[11] 2,898,478
[13] C
[51] **Int.Cl. H04L 12/24 (2006.01) H04L 12/16 (2006.01) H04L 12/26 (2006.01) H04L 12/66 (2006.01)**
[25] EN
[54] **INSTANCE HOST CONFIGURATION**
[54] **CONFIGURATION D'HOTE D'INSTANCE**
[72] KOWALSKI, MARCIN PIOTR, US
[72] PATERSON-JONES, ROLAND, US
[72] GREENFIELD, JAMES ALFRED GORDON, US
[73] AMAZON TECHNOLOGIES, INC., US
[85] 2015-07-16
[86] 2014-01-22 (PCT/US2014/012422)
[87] (WO2014/116619)
[30] US (13/747,176) 2013-01-22
[30] US (13/747,190) 2013-01-22

[11] 2,898,500
[13] C
[51] **Int.Cl. C07D 513/04 (2006.01) A61K 31/547 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **TETRAHYDROPYRROLOTHIAZINE COMPOUNDS**
[54] **COMPOSES TETRAHYDROPYRROLOTHIAZINES**
[72] GREEN, STEVEN JAMES, US
[72] MERGOTT, DUSTIN JAMES, US
[72] WATSON, BRIAN MORGAN, US
[72] WINNEROSKI, LEONARD LARRY, JR., US
[73] ELI LILLY AND COMPANY, US
[85] 2015-07-16
[86] 2014-03-04 (PCT/US2014/020070)
[87] (WO2014/143579)
[30] US (61/776,819) 2013-03-12

[11] 2,900,294
[13] C
[51] **Int.Cl. B60N 2/50 (2006.01) B60G 99/00 (2010.01) F16F 15/02 (2006.01)**
[25] EN
[54] **ROTARY ACTUATOR DRIVEN VIBRATION ISOLATION**
[54] **DISPOSITIF D'ISOLATION DE VIBRATIONS ENTRAINE PAR UN ACTIONNEUR ROTATIF**
[72] SCHROEDER, THOMAS C., US
[72] PARKER, ROBERT PRESTON, US
[72] BUSHKO, DARIUSZ ANTONI, US
[72] SELDEN, BRIAN A., US
[72] HAYNER, MARK A., US
[72] LUCAS, BRIAN M., US
[73] BOSE CORPORATION, US
[85] 2015-08-04
[86] 2014-03-14 (PCT/US2014/026992)
[87] (WO2014/152138)
[30] US (13/843,162) 2013-03-15

[11] 2,900,980
[13] C
[51] **Int.Cl. F16F 15/02 (2006.01)**
[25] EN
[54] **ROTARY ACTUATOR DRIVEN VIBRATION ISOLATION**
[54] **SYSTEME D'ISOLATION CONTRE LES VIBRATIONS ENTRAINE PAR UN ACTIONNEUR ROTATIF**
[72] PARKER, ROBERT PRESTON, US
[72] SCHROEDER, THOMAS C., US
[72] BUSHKO, DARIUSZ ANTONI, US
[72] SELDEN, BRIAN A., US
[72] HAYNER, MARK A., US
[72] LUCAS, BRIAN M., US
[73] BOSE CORPORATION, US
[85] 2015-08-11
[86] 2014-03-14 (PCT/US2014/027209)
[87] (WO2014/143651)
[30] US (13/843,266) 2013-03-15

---

[11] 2,902,693
[13] C
[51] **Int.Cl. E04D 1/12 (2006.01)**
[25] EN
[54] **ROOFING SHINGLE SYSTEM AND SHINGLES FOR USE THEREIN**
[54] **SYSTEME DE BARDEAUX DE TOITURE ET BARDEAUX DUDIT SYSTEME**
[72] LEITCH, OLAN, US
[73] BUILDING MATERIALS INVESTMENT CORPORATION, US
[86] (2902693)
[87] (2902693)
[22] 2015-09-02
[30] US (14/656,902) 2015-03-13

---

[11] 2,903,902
[13] C
[51] **Int.Cl. E06B 1/60 (2006.01)**
[25] EN
[54] **ADJUSTABLE SUPPORT DEVICE FOR A FRAME MEMBER AND INSTALLATION METHOD**
[54] **DISPOSITIF DE SUPPORT REGLABLE POUR UN ELEMENT DE CHASSIS ET PROCEDE D'INSTALLATION**
[72] NESBO, PAUL ARNE, NO
[72] BROCHMANN, OYVIND, NO
[73] NESBO, PAUL ARNE, NO
[73] BROCHMANN, OYVIND, NO
[85] 2015-09-03
[86] 2012-03-08 (PCT/EP2012/054026)
[87] (WO2013/131572)

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[11] 2,904,828
[13] C
[51] **Int.Cl. A23G 1/48 (2006.01) A21D 8/00 (2006.01) A23F 5/00 (2006.01)**
[25] EN
[54] **FOOD PRODUCTS AND CHOCOLATE COMPOSITIONS CONTAINING COFFEE CHERRY BYPRODUCTS AND METHODS OF FORMING THE SAME**
[54] **PRODUITS ALIMENTAIRES ET COMPOSITIONS DE CHOCOLAT CONTENANT DES SOUS-PRODUITS DE FRUITS DU CAFEIER ET LEURS PROCEDES DE PREPARATION**
[72] BELLIVEAU, DANIEL ALDERIC, US
[73] EMPIRE TECHNOLOGY DEVELOPMENT LLC, US
[85] 2015-09-09
[86] 2013-12-20 (PCT/US2013/077295)
[87] (WO2014/158271)
[30] US (61/785,195) 2013-03-14

---

[11] 2,905,901
[13] C
[51] **Int.Cl. A61J 1/20 (2006.01) A61M 5/34 (2006.01) A61M 39/14 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **CONNECTION SYSTEM FOR MEDICAL DEVICE COMPONENTS**
[54] **SYSTEME DE RACCORDEMENT DESTINE A DES ELEMENTS DE DISPOSITIF MEDICAL**
[72] MARICI, PAUL PAIA, US
[72] IVOSEVIC, MILAN, US
[73] BECTON DICKINSON AND COMPANY LIMITED, IE
[85] 2015-09-11
[86] 2014-03-12 (PCT/US2014/023911)
[87] (WO2014/150665)
[30] US (61/787,674) 2013-03-15
[30] US (61/895,168) 2013-10-24
[30] US (61/895,182) 2013-10-24
[30] US (61/895,187) 2013-10-24

---

[11] 2,906,412
[13] C
[51] **Int.Cl. G02B 6/44 (2006.01) G02B 6/255 (2006.01)**
[25] EN
[54] **FIBER OPTIC SPLICE PROTECTING SYSTEM AND METHOD FOR PROTECTING A FIBER OPTIC SPLICE**
[54] **DISPOSITIF DE PROTECTION D'EPISSURE DE FIBRE OPTIQUE ET METHODE DE PROTECTION D'UNE EPISSURE DE FIBRE OPTIQUE**
[72] JONES, EMORY E., III, US
[72] STOESZ, CARL W., US
[73] BAKER HUGHES INCORPORATED, US
[86] (2906412)
[87] (2906412)
[22] 2015-09-29
[30] US (14/526920) 2014-10-29

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[11] 2,907,281
[13] C
[51] **Int.Cl. H01M 8/0202 (2016.01) H01M 2/30 (2006.01) H01M 8/24 (2016.01)**
[25] EN
[54] **CURRENT COLLECTOR FOR FUEL CELL, FUEL CELL STACK, FUEL CELL SYSTEM, AND METHOD OF MANUFACTURING FUEL CELL SYSTEM**
[54] **COLLECTEUR DE COURANT POUR PILE A COMBUSTIBLE, EMPILEMENT DE PILES A COMBUSTIBLE, DISPOSITIF DE PILE A COMBUSTIBLE ET PROCEDE DE FABRICATION D'UN DISPOSITIF A PILE A COMBUSTIBLE**
[72] SHIZUKU, FUMISHIGE, JP
[72] TANAKA, HIDEAKI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2907281)
[87] (2907281)
[22] 2015-10-05
[30] JP (2014-210560) 2014-10-15

[11] **2,907,284**
[13] C
[51] **Int.Cl. H01M 8/0247 (2016.01) H01M 8/2465 (2016.01)**
[25] EN
[54] **CURRENT COLLECTOR FOR FUEL CELL, AND FUEL CELL STACK**
[54] **COLLECTEUR DE COURANT POUR PILE A COMBUSTIBLE ET EMPILEMENT DE PILES A COMBUSTIBLE**
[72] SHIZUKU, FUMISHIGE, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2907284)
[87] (2907284)
[22] 2015-10-05
[30] JP (2014-210556) 2014-10-15

---

[11] **2,908,283**
[13] C
[51] **Int.Cl. H01M 8/04302 (2016.01) H01M 8/0432 (2016.01) H01M 8/0438 (2016.01)**
[25] EN
[54] **A FUEL CELL SYSTEM AND A METHOD FOR CONTROLLING A FUEL CELL SYSTEM**
[54] **UN DISPOSITIF DE PILE A COMBUSTIBLE ET UNE METHODE DE COMMANDE D'UN DISPOSITIF DE PILE A COMBUSTIBLE**
[72] KONDO, MASAAKI, JP
[72] KOMIYA, KENJI, JP
[72] YAMASHITA, AKIRA, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2908283)
[87] (2908283)
[22] 2015-10-09
[30] JP (2014-226888) 2014-11-07

---

[11] **2,909,659**
[13] C
[51] **Int.Cl. H01M 8/04858 (2016.01) H01M 8/04992 (2016.01)**
[25] EN
[54] **FUEL CELL SYSTEM AND METHOD OF CONTROLLING FUEL CELL**
[54] **SYSTEME DE PILE A COMBUSTIBLE ET UNE METHODE DE CONTROLE DE PILE A COMBUSTIBLE**
[72] TANO, YUTAKA, JP
[72] NADA, MITSUHIRO, JP
[72] KANEKO, TOMOHIKO, JP
[72] OKAMOTO, YOHEI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2909659)
[87] (2909659)
[22] 2015-10-20
[30] JP (2014-229381) 2014-11-12

---

[11] **2,909,932**
[13] C
[51] **Int.Cl. H01M 8/1004 (2016.01)**
[25] EN
[54] **MEMBRANE ELECTRODE ASSEMBLY AND FUEL CELL**
[54] **ASSEMBLAGE D'ELECTRODE A MEMBRANE ET PILE A COMBUSTIBLE**
[72] HAMANO, MASATO, JP
[72] YOSHIKAWA, HIROO, JP
[72] NISHIDA, TSUNEMASA, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2909932)
[87] (2909932)
[22] 2015-10-22
[30] JP (2014-230631) 2014-11-13

---

[11] **2,909,980**
[13] C
[51] **Int.Cl. B60W 10/08 (2006.01) B60K 6/48 (2007.10) B60K 6/547 (2007.10) B60L 11/14 (2006.01) B60W 10/02 (2006.01) B60W 10/06 (2006.01) B60W 20/00 (2016.01) F02N 11/04 (2006.01)**
[25] EN
[54] **CONTROL DEVICE FOR HYBRID VEHICLE**
[54] **DISPOSITIF DE COMMANDE DE VEHICULE HYBRIDE**
[72] TAKEUCHI, MASAHIRO, JP
[72] IZUMIURA, ATSUSHI, JP
[72] MATSUSHITA, MASANORI, JP
[73] HONDA MOTOR CO., LTD., JP
[85] 2015-10-20
[86] 2014-04-11 (PCT/JP2014/060505)
[87] (WO2014/175080)
[30] JP (2013-089430) 2013-04-22

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[11] **2,910,563**
[13] C
[51] **Int.Cl. D06M 17/04 (2006.01) A41D 31/02 (2006.01) B32B 5/04 (2006.01) B32B 5/26 (2006.01) B32B 7/04 (2006.01) B32B 7/14 (2006.01) B32B 27/12 (2006.01) B32B 37/00 (2006.01) B32B 37/14 (2006.01) D04H 11/08 (2006.01) D06M 17/06 (2006.01) D06M 17/08 (2006.01) D06M 17/10 (2006.01) D06M 23/16 (2006.01)**
[25] EN
[54] **MULTI-LAYERED ARTICLES HAVING DISCONTINUOUS ADHESIVE REGIONS**
[54] **ARTICLES MULTICOUCHES COMPORTANT DES ZONES ADHESIVES DISCONTINUES**
[72] KELSEY, WILLIAM D., US
[73] W.L. GORE & ASSOCIATES, INC., US
[85] 2015-10-23
[86] 2014-04-02 (PCT/US2014/032617)
[87] (WO2014/178981)
[30] US (13/873,888) 2013-04-30

[11] **2,912,196**
[13] C
[51] **Int.Cl. E21B 47/00 (2012.01) E21B 47/01 (2012.01) G01V 11/00 (2006.01)**
[25] EN
[54] **MODULAR MONITORING ASSEMBLY**
[54] **ENSEMBLE DE SURVEILLANCE MODULAIRE**
[72] MILLER, JAMES L., US
[72] MAILAND, JASON C., US
[73] BAKER HUGHES INCORPORATED, US
[85] 2015-11-10
[86] 2014-05-12 (PCT/US2014/037699)
[87] (WO2014/200641)
[30] US (13/918,007) 2013-06-14

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[11] **2,913,161**
[13] C
[51] **Int.Cl. B29C 45/77 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SUBSTANTIALLY CONSTANT PRESSURE INJECTION MOLDING OF THINWALL PARTS**
[54] **PROCEDE ET APPAREIL DE MOULAGE PAR INJECTION A PRESSION SENSIBLEMENT CONSTANTE DE PIECES A PAROI MINCE**
[72] ALTONEN, GENE MICHAEL, US
[72] DODD, MICHAEL THOMAS, US
[72] RAMON-MARTINEZ, NATALIA, US
[72] MCCONNELL, KIMBERLY NICHOLE, US
[72] LUMPKIN, DANNY DAVID, US
[72] BREIDENBACH, VINCENT SEAN, US
[72] LAWSON, JOHN RUSSELL, US
[73] IMFLUX, INC., US
[86] (2913161)
[87] (2913161)
[22] 2012-05-21
[62] 2,835,961
[30] US (61/488,564) 2011-05-20
[30] US (61/488,547) 2011-05-20
[30] US (61/488,553) 2011-05-20
[30] US (61/488,555) 2011-05-20
[30] US (61/488,559) 2011-05-20
[30] US (61/602,781) 2012-02-24
[30] US (61/602,650) 2012-02-24
[30] US (61/641,349) 2012-05-02

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[11] **2,914,135**
[13] C
[51] **Int.Cl. C08F 220/06 (2006.01) C08F 290/06 (2006.01)**
[25] EN
[54] **SYNTHESIS OF FREE RADICAL POLYMERIZABLE ETHYLENICALLY UNSATURATED POLOXAMERS AND POLOXAMINES**
[54] **SYNTHESE DE POLOXAMERES ET DE POLOXAMINES A INSATURATION ETHYLENIQUE POLYMERISABLES PAR VOIE RADICALAIRE**
[72] AWASTHI, ALOK KUMAR, US
[72] KUNZLER, JAY F., US
[72] SATYANARAYANA, GANUGAPATI, IN
[72] RAI NOOJI, SATHEESHA, IN
[73] BAUSCH & LOMB INCORPORATED, US
[85] 2015-11-30
[86] 2014-06-18 (PCT/US2014/042951)
[87] (WO2014/205084)
[30] US (61/836,471) 2013-06-18

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[11] **2,914,452**
[13] C
[51] **Int.Cl. C05B 19/00 (2006.01) A01C 21/00 (2006.01) C05B 1/00 (2006.01) C05B 7/00 (2006.01) C05B 9/00 (2006.01) C05G 5/00 (2006.01)**
[25] EN
[54] **SLOW AND FAST RELEASE FERTILIZER COMPOSITION AND METHODS FOR MAKING SAME**
[54] **COMPOSITION D'ENGRAIS A LIBERATION LENTE ET RAPIDE ET SES PROCEDES DE FABRICATION**
[72] CLARK, DONALD R., US
[72] FROEHLICH, DAN MICHAEL, US
[72] BRITTON, AHREN THOMAS, US
[73] OSTARA NUTRIENT RECOVERY TECHNOLOGIES INC., CA
[85] 2015-12-03
[86] 2014-06-13 (PCT/CA2014/050558)
[87] (WO2014/198000)
[30] US (61/835,476) 2013-06-14

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[11] **2,914,784**
[13] C
[51] **Int.Cl. C21B 13/02 (2006.01) C01B 3/34 (2006.01) H01M 8/0612 (2016.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REDUCING IRON OXIDE TO METALLIC IRON USING COKE OVEN GAS AND OXYGEN STEELMAKING FURNACE GAS**
[54] **SYSTEME ET METHODE DE REDUCTION D'OXYDE DE FER EN FER METALLIQUE EMPLOYANT UN GAZ DE COKERIE ET UN GAZ FONDERIE A L'OXYGENE**
[72] METIUS, GARY E., US
[72] MCCLELLAND, JAMES M., JR., US
[72] MEISSNER, DAVID C., US
[72] MONTAGUE, STEPHEN C., US
[73] MIDREX TECHNOLOGIES, INC., US
[85] 2015-12-08
[86] 2013-08-05 (PCT/US2013/053540)
[87] (WO2015/016950)
[30] US (13/955,654) 2013-07-31

---

[11] **2,915,520**
[13] C
[51] **Int.Cl. G02B 26/10 (2006.01) A61B 5/00 (2006.01) G01B 9/00 (2006.01)**
[25] EN
[54] **SCANNING OPTICAL SYSTEM WITH MULTIPLE OPTICAL SOURCES**
[54] **SYSTEME OPTIQUE DE BALAYAGE AVEC SOURCES OPTIQUES MULTIPLES**
[72] JEGLORZ, TOBIAS, DE
[72] DONITZKY, CHRISTOF, DE
[73] WAVELIGHT GMBH, DE
[85] 2015-12-15
[86] 2013-09-02 (PCT/EP2013/068068)
[87] (WO2015/028099)

[11] **2,918,107**
[13] C
[51] **Int.Cl. B62M 23/00 (2006.01)**
[25] EN
[54] **CENTER-MOUNTED CONTROL SYSTEM OF BICYCLE**
[54] **SYSTEME DE COMMANDE MONTE AU CENTRE D'UNE BICYCLETTE**
[72] HUANG, FUMING, CN
[72] LI, YUNFEI, CN
[72] HUANG, JUNNING, CN
[72] CAI, HUALIN, CN
[72] ZHANG, QIANG, CN
[73] SUZHOU TERGAR IOT TECHNOLOGY CO., LTD, CN
[85] 2016-01-12
[86] 2014-08-08 (PCT/CN2014/083951)
[87] (WO2015/096485)
[30] CN (201310729428.5) 2013-12-26
[30] CN (201320865134.0) 2013-12-26

---

[11] **2,918,927**
[13] C
[51] **Int.Cl. F04B 7/00 (2006.01) F04B 7/06 (2006.01) F04B 9/04 (2006.01) F04B 13/02 (2006.01) F04B 53/14 (2006.01) F16K 11/076 (2006.01) F16K 11/085 (2006.01)**
[25] FR
[54] **ROTARY-WAVE SUB-ASSEMBLY FOR PUMPING A FLUID AND ROTARY-WAVE PUMPING DEVICE**
[54] **SOUS-ENSEMBLE OSCILLO-ROTATIF POUR POMPAGE D'UN FLUIDE ET DISPOSITIF DE POMPAGE OSCILLO-ROTATIF**
[72] DEHAN, CHRISTOPHE, FR
[72] WATTELLIER, ARNAUD, FR
[73] EVEON, FR
[85] 2016-01-21
[86] 2014-06-11 (PCT/FR2014/051413)
[87] (WO2015/011352)
[30] FR (1357189) 2013-07-22

---

[11] **2,919,460**
[13] C
[51] **Int.Cl. B60R 13/08 (2006.01) C08F 2/38 (2006.01) C08F 285/00 (2006.01) C08L 51/00 (2006.01) C09D 151/00 (2006.01) G10K 11/165 (2006.01)**
[25] EN
[54] **AQUEOUS VIBRATION DAMPING COMPOSITIONS**
[54] **COMPOSITIONS AQUEUSES D'AMORTISSEMENT DE VIBRATIONS**
[72] WANG, WEI, US
[72] CHAO, TIEN-CHIEH, US
[72] DESAI, UMESH C., US
[72] FENN, DAVID R., US
[73] PPG INDUSTRIES OHIO, INC., US
[85] 2016-01-26
[86] 2014-07-25 (PCT/US2014/048147)
[87] (WO2015/013588)
[30] US (13/951,811) 2013-07-26

---

[11] **2,919,819**
[13] C
[51] **Int.Cl. F17C 7/00 (2006.01) F17C 13/02 (2006.01)**
[25] EN
[54] **METHOD OF OPERATING A HYDROGEN DISPENSING UNIT**
[54] **METHODE D'UTILISATION D'UN MODULE DE DISTRIBUTION D'HYDROGENE**
[72] YOULIO, ANDREW MARC, US
[72] COHEN, JOSEPH PERRY, US
[73] AIR PRODUCTS AND CHEMICALS, INC., US
[86] (2919819)
[87] (2919819)
[22] 2016-02-02
[30] US (62/221,425) 2015-09-21
[30] US (62,245,007) 2015-10-22

---

[11] **2,921,580**
[13] C
[51] **Int.Cl. C07D 207/22 (2006.01) A61K 31/4025 (2006.01) A61P 5/10 (2006.01)**
[25] EN
[54] **PYRROLIDINE DERIVATIVES AS OXYTOCIN / VASOPRESSIN V1A RECEPTORS ANTAGONISTS**
[54] **DERIVES DE PYRROLIDINE UTILISES COMME ANTAGONISTES DU RECEPTEUR DE L'OCYTOCINE ET DU RECEPTEUR V1A DE LA VASOPRESSINE**
[72] CHOLLET, ANDRE, CH
[73] OBSEVA S.A., CH
[85] 2016-02-17
[86] 2014-07-25 (PCT/EP2014/066075)
[87] (WO2015/036160)
[30] EP (13183723.9) 2013-09-10

---

[11] **2,922,610**
[13] C
[51] **Int.Cl. F04B 43/04 (2006.01) F04B 17/04 (2006.01) F04B 45/047 (2006.01) F04B 49/02 (2006.01) F04B 49/06 (2006.01)**
[25] EN
[54] **PUMPS, ACTUATORS AND RELATED DEVICES AND METHODS FOR MAKING**
[54] **POMPES, ACTIONNEURS ET DISPOSITIFS APPARENTES ET PROCEDES DE FABRICATION**
[72] CORDOBA, JOSE LUIS, ES
[72] GOLDENBERG, ALEX, US
[72] TIMBERLAKE, BRENT, US
[72] MANOUX, PHILIPE, US
[73] NUELLE, INC., US
[85] 2016-02-26
[86] 2014-08-24 (PCT/US2014/052430)
[87] (WO2015/031216)
[30] US (61/871,832) 2013-08-29
[30] US (61/993,041) 2014-05-14

[11] **2,923,065**
[13] C
[51] **Int.Cl. D21H 27/10 (2006.01) B65D 65/38 (2006.01) D21H 15/10 (2006.01) D21H 17/00 (2006.01) D21H 17/28 (2006.01) D21H 27/30 (2006.01)**
[25] EN
[54] **PAPERBOARDS HAVING IMPROVED BENDING STIFFNESS AND METHOD FOR MAKING SAME**
[54] **CARTONS AYANT UNE RESISTANCE A LA COURBURE AMELIOREE ET PROCEDE DE FABRICATION DE CEUX-CI**
[72] REED, DAVID V., US
[72] DYER, DAVID A., US
[73] INTERNATIONAL PAPER COMPANY, US
[85] 2016-03-02
[86] 2014-09-08 (PCT/US2014/054461)
[87] (WO2015/035274)
[30] US (14/020,288) 2013-09-06

[11] **2,923,462**
[13] C
[51] **Int.Cl. C22C 9/04 (2006.01) C22F 1/00 (2006.01) C22F 1/08 (2006.01)**
[25] EN
[54] **COPPER ALLOY**
[54] **ALLIAGE DE CUIVRE**
[72] OISHI, KEIICHIRO, JP
[72] NAKASATO, YOSUKE, JP
[72] HATA, KATSUHIKO, JP
[72] TANAKA, SHINJI, JP
[73] MITSUBISHI SHINDOH CO., LTD., JP
[85] 2016-03-04
[86] 2014-09-26 (PCT/JP2014/075735)
[87] (WO2015/046470)
[30] JP (2013-199475) 2013-09-26
[30] JP (2014-039679) 2014-02-28

[11] **2,934,358**
[13] C
[51] **Int.Cl. A61M 16/08 (2006.01) A61M 16/04 (2006.01)**
[25] EN
[54] **DEHUMIDIFYING CIRCUIT**
[54] **CIRCUIT DE DESHUMIDIFICATION**
[72] SMITH, DANIEL JOHN, NZ
[72] MILLAR, GAVIN WALSH, NZ
[72] POWELL, KEVIN BLAKE, NZ
[72] BALDWIN, DAVID PETER, GB
[73] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[86] (2934358)
[87] (2934358)
[22] 2001-05-08
[62] 2,833,707
[30] NZ (504439) 2000-05-10
[30] NZ (509041) 2000-12-20

[11] **2,934,821**
[13] C
[51] **Int.Cl. B63B 35/71 (2006.01)**
[25] EN
[54] **FISHING KAYAK**
[54] **KAYAK DE PECHE**
[72] BOYER, REJEAN, CA
[72] GAGNON, STEPHANIE, CA
[73] PELICAN INTERNATIONAL INC., CA
[86] (2934821)
[87] (2934821)
[22] 2016-06-29

[11] **2,935,224**
[13] C
[51] **Int.Cl. E02D 31/02 (2006.01) E02D 19/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR KEEPING HUMIDITY/WATER AWAY FROM CONCRETE FOUNDATIONS AND PROVIDE INSULATION**
[54] **DISPOSITIF ET METHODE DE MAINTIEN DE L'HUMIDITE/EAU HORS DES FONDATIONS EN BETON ET DE FOURNITURE D'ISOLATION**
[72] NICOLAS, MARCEL, CA
[73] NICOLAS, MARCEL, CA
[86] (2935224)
[87] (2935224)
[22] 2016-07-04
[30] US (14/791,366) 2015-07-03

[11] **2,935,235**
[13] C
[51] **Int.Cl. F16L 37/091 (2006.01)**
[25] EN
[54] **CROSS PLATFORM GRIP RING RELEASE DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE LIBERATION DE COLLIER DE SERRAGE MULTIPLATEFORME**
[72] CROMPTON, DAVID B., US
[72] DIAS, LIBARDO OCHOA, US
[73] QUICK FITTING, INC., US
[85] 2016-06-27
[86] 2014-12-29 (PCT/US2014/072544)
[87] (WO2015/103132)
[30] US (14/144,925) 2013-12-31
[30] US (14/467,375) 2014-08-25

[11] **2,942,397**
[13] C
[51] **Int.Cl. B65G 15/42 (2006.01)**
[25] EN
[54] **TUBE CONVEYOR CLEAT DESIGN**
[54] **CONCEPTION DE CALE DE TRANSPORTEUR DE TUBE**
[72] MICHAEL, SCHROEDER, US
[73] WCCO BELTING, INC., US
[85] 2016-09-09
[86] 2015-04-03 (PCT/US2015/024302)
[87] (WO2015/154003)
[30] US (61/974,631) 2014-04-03

[11] **2,945,024**
[13] C
[51] **Int.Cl. B42D 25/328 (2014.01) B42D 25/29 (2014.01) B42D 25/324 (2014.01) B42D 25/425 (2014.01) B42D 25/43 (2014.01) G02B 5/18 (2006.01)**
[25] EN
[54] **OPTICAL SECURITY COMPONENT WITH REFLECTIVE EFFECT, PRODUCTION OF SUCH A COMPONENT AND SECURE DOCUMENT PROVIDED WITH SUCH A COMPONENT**
[54] **COMPOSANT OPTIQUE DE SECURITE A EFFET REFLECTIF, FABRICATION D'UN TEL COMPOSANT ET DOCUMENT SECURISE EQUIPE D'UN TEL COMPOSANT**
[72] PETITON, VALERY, FR
[72] TOLLET, VINCENT, FR
[73] SURYS, FR
[85] 2016-10-06
[86] 2015-03-12 (PCT/EP2015/055165)
[87] (WO2015/154943)
[30] FR (1453077) 2014-04-07
[30] FR (1453127) 2014-04-08

---

[11] **2,947,273**
[13] C
[51] **Int.Cl. A61G 1/044 (2006.01)**
[25] EN
[54] **PEDIATRIC TRANSPORT HARNESS FOR AN AMBULANCE COT**
[54] **HARNAIS DE TRANSPORT PEDIATRIQUE POUR UNE CIVIERE D'AMBULANCE**
[72] CHIA, ORLANDO, CA
[72] WHITAKER, BRUCE, CA
[73] FERNO-WASHINGTON, INC., US
[85] 2016-10-27
[86] 2015-04-29 (PCT/US2015/028187)
[87] (WO2015/168227)
[30] US (14/266,041) 2014-04-30

---

[11] **2,952,816**
[13] C
[51] **Int.Cl. F16B 1/04 (2006.01) F15B 21/00 (2006.01) F16B 7/06 (2006.01)**
[25] EN
[54] **LOCKING MECHANISM WITH VISIBLE STATUS INDICATION**
[54] **MECANISME DE VERROUILLAGE A INDICATION D'ETAT VISIBLE**
[72] ABEL, LEO WILLIAM, US
[73] ABEL, LEO WILLIAM, US
[85] 2016-12-16
[86] 2015-06-22 (PCT/US2015/037040)
[87] (WO2015/200231)
[30] US (14/314,953) 2014-06-25

---

[11] **2,953,888**
[13] C
[51] **Int.Cl. C08F 2/32 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING WATER-ABSORBENT RESIN**
[54] **PROCEDE DE PRODUCTION D'UNE RESINE ABSORBANT L'EAU**
[72] HINAYAMA, TETSUHIRO, JP
[72] MURAKAMI, MASAHIRO, JP
[72] TAKATORI, JUNICHI, JP
[73] SUMITOMO SEIKA CHEMICALS CO., LTD., JP
[85] 2016-12-29
[86] 2014-11-04 (PCT/JP2014/079267)
[87] (WO2016/006135)
[30] JP (2014-143609) 2014-07-11
[30] JP (2014-223298) 2014-10-31

---

[11] **2,956,439**
[13] C
[51] **Int.Cl. E21B 43/24 (2006.01) H01M 8/0668 (2016.01) F24H 8/00 (2006.01) C09K 8/592 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING HEAVY OIL USING A FUEL CELL**
[54] **METHODE DE PRODUCTION D'HUILE LOURDE AU MOYEN D'UNE PILE A COMBUSTIBLE**
[72] MILLAR, MACKENZIE, CA
[72] LOURENCO, JOSE, CA
[73] 1304338 ALBERTA LTD., CA
[73] 1304342 ALBERTA LTD., CA
[85] 2017-01-30
[86] 2015-10-08 (PCT/CA2015/051022)
[87] (2956439)

---

[11] **2,958,350**
[13] C
[51] **Int.Cl. G10L 19/22 (2013.01)**
[25] EN
[54] **AUDIO PROCESSING USING PLURAL DECODERS OR ENCODERS**
[54] **TRAITEMENT AUDIO AU MOYEN DE MULTIPLES DECODEURS OU CODEURS**
[72] RESCH, BARBARA, SE
[72] KJORLING, KRISTOFER, SE
[72] VILLEMOES, LARS, SE
[73] DOLBY INTERNATIONAL AB, NL
[86] (2958350)
[87] (2958350)
[22] 2011-06-23
[62] 2,928,180
[30] US (61/361237) 2010-07-02

---

[11] **2,958,360**
[13] C
[51] **Int.Cl. G10L 19/26 (2013.01)**
[25] EN
[54] **AUDIO DECODER**
[54] **DECODEUR AUDIO**
[72] RESCH, BARBARA, SE
[72] KJORLING, KRISTOFER, SE
[72] VILLEMOES, LARS, SE
[73] DOLBY INTERNATIONAL AB, NL
[86] (2958360)
[87] (2958360)
[22] 2011-06-23
[62] 2,928,180
[30] US (61/361237) 2010-07-02

---

[11] **2,963,474**
[13] C
[51] **Int.Cl. B08B 7/02 (2006.01)**
[25] EN
[54] **VARIABLE FREQUENCY FLUID PULSE GENERATOR**
[54] **GENERATEUR D'IMPULSION DE FLUIDE A FREQUENCE VARIABLE**
[72] LIVSHITZ, DANNY, CA
[73] LIVSHITZ, DANNY, CA
[86] (2963474)
[87] (2963474)
[22] 2017-04-06

[11] **2,977,099**
[13] C
[51] **Int.Cl. A61M 5/168 (2006.01) A61M 5/172 (2006.01)**
[25] EN
[54] **PRECISION VARIABLE FLOW RATE INFUSION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE PERFUSION DE PRECISION A DEBIT VARIABLE**
[72] SEALFON, ANDREW, US
[72] GHESHMI, SIAVASH, US
[73] REPRO-MED SYSTEMS, INC., US
[85] 2017-08-17
[86] 2016-02-25 (PCT/US2016/019600)
[87] (WO2016/140864)
[30] US (62/128,501) 2015-03-04
[30] US (15/052,727) 2016-02-24

Canadian Applications Open to Public Inspection

October 29, 2017 to November 4, 2017

Demandes canadiennes mises à la disponibilité du public

29 octobre 2017 au 4 novembre 2017

---

[21] **2,927,825**
[13] A1
[51] **Int.Cl. G11B 3/085 (2006.01)**
[25] EN
[54] **AUTOMATIC TONEARM LIFT**
[54] **DISPOSITIF DE SOULEVEMENT AUTOMATIQUE DE TETE DE LECTURE**
[72] JANG, BETTINA A., CA
[72] CICCONE, DINO, ZZ
[71] JANG, BETTINA A., CA
[71] CICCONE, DINO, CA
[22] 2016-04-29
[41] 2017-10-29

---

[21] **2,928,417**
[13] A1
[51] **Int.Cl. B23K 9/013 (2006.01) B23K 9/32 (2006.01)**
[25] EN
[54] **ARC GOUGING BOX**
[54] **BOITE DE GOUGEAGE A L'ARC**
[72] LEBLANC, DANIEL A., CA
[71] LEBLANC, DANIEL A., CA
[22] 2016-04-29
[41] 2017-10-29

---

[21] **2,928,419**
[13] A1
[51] **Int.Cl. G21F 9/30 (2006.01) C09K 8/528 (2006.01)**
[25] EN
[54] **COMPOSITION FOR REMOVING NATURALLY OCCURING RADIOACTIVE MATERIAL (NORM) SCALE**
[54] **COMPOSITION D'ENLEVEMENT DE DEPOT DE MATERIAU RADIOACTIF D'ORIGINE NATURELLE**
[72] MASON, DOUGLAS J., US
[71] FQE CHEMICALS INC., CA
[22] 2016-04-29
[41] 2017-10-29

---

[21] **2,928,420**
[13] A1
[51] **Int.Cl. A47B 21/013 (2006.01) A47B 97/00 (2006.01) G06F 19/00 (2011.01)**
[25] EN
[54] **MULTIDESK**
[54] **BUREAU POLYVALENT MULTIDESK**
[72] SOREL, WILLIAM J., CA
[71] SOREL, WILLIAM J., CA
[22] 2016-04-29
[41] 2017-10-29

---

[21] **2,928,447**
[13] A1
[51] **Int.Cl. E04F 15/20 (2006.01)**
[25] EN
[54] **SOUND PROOF UNDERLAYMENT MEMBRANE**
[54] **MEMBRANE DE SOUS-COUCHE INSONORISANTE**
[72] PELLETIER, VINCENT, CA
[71] TOPFLOOR UNDERLAYMENT INC., CA
[22] 2016-04-29
[41] 2017-10-29

---

[21] **2,928,452**
[13] A1
[51] **Int.Cl. A47K 1/02 (2006.01)**
[25] EN
[54] **ABLUTION KIT**
[54] **TROUSSE D'ABLUTION**
[72] MOHAMED ANVER, MOHAMED RIZLAN, CA
[71] MOHAMED ANVER, MOHAMED RIZLAN, CA
[22] 2016-04-29
[41] 2017-10-29

---

[21] **2,928,459**
[13] A1
[51] **Int.Cl. B01D 53/62 (2006.01) B01D 53/22 (2006.01) F16L 55/00 (2006.01)**
[25] EN
[54] **TRANSFER LINE**
[54] **CONDUITE DE TRANSFERT**
[72] BENUM, LESLIE WILFRED, CA
[72] KOSELEK, MICHAEL EDWARD, CA
[72] SIMANZHENKOV, VASILY, CA
[72] FARAG, HANY ISKANDAR, CA
[72] MAH, EVAN GEEVOUY, CA
[72] KLUTHE, JEFFREY THOMAS, CA
[71] NOVA CHEMICALS CORPORATION, CA
[22] 2016-05-02
[41] 2017-11-02

---

[21] **2,928,478**
[13] A1
[51] **Int.Cl. B62B 3/00 (2006.01) B62B 5/06 (2006.01)**
[25] EN
[54] **WHEELED CART FOR TRANSPORTING STORE ITEMS**
[54] **CHARIOT SUR ROUES DESTINE AU TRANSPORT D'ARTICLES DE MAGASIN**
[72] GREEN, JEFFREY, US
[72] PROPES, MARK, US
[71] WAL-MART STORES, INC., US
[22] 2016-04-29
[41] 2017-10-29

---

[21] **2,928,488**
[13] A1
[51] **Int.Cl. E02B 11/00 (2006.01) E01F 5/00 (2006.01)**
[25] EN
[54] **METHOD OF INSTALLATION AND USE FOR A PASSIVE CAPILLARY WICKING DEVICE**
[54] **METHODE D'INSTALLATION ET UTILISATION D'UN DISPOSITIF DE MECHAGE CAPILLAIRE PASSIF**
[72] ATKINSON, PETER, CA
[71] ATKINSON, PETER, CA
[22] 2016-04-29
[41] 2017-10-29

[21] **2,928,500**
[13] A1
[51] **Int.Cl. A63H 3/02 (2006.01) A61G 99/00 (2006.01) A63H 3/36 (2006.01) A63H 9/00 (2006.01)**
[25] FR
[54] **COMFORTING THERMATHERAPEUTIC STUFFED TOYS AND HEAVY GOODS**
[54] **PELUCHES ET PRODUITS LOURDS THERMATHERAPEUTIQUES RECONFORTANTS**
[72] UNKNOWN, ZZ
[71] DAGENAIS, MELANIE, CA
[71] LEMELIN, AMELIE, CA
[22] 2016-05-02
[41] 2017-11-02

---

[21] **2,928,615**
[13] A1
[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01) A61B 17/062 (2006.01)**
[25] EN
[54] **SUTURING DEVICE AND METHOD**
[54] **DISPOSITIF DE SUTURE ET METHODE**
[72] SHERWINTER, DANNY A., US
[71] BRAINCHILD SURGICAL DEVICES LLC, US
[22] 2016-05-03
[41] 2017-11-03

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[21] **2,928,655**
[13] A1
[51] **Int.Cl. A47C 3/00 (2006.01) A47C 3/12 (2006.01) A47C 7/16 (2006.01)**
[25] EN
[54] **CHAIR FRAME**
[54] **CADRE DE CHAISE**
[72] GIBSON, SIDNEY, CA
[71] MAJOR PRODUCTS/ SIDNEY GIBSON LIMITED, CA
[22] 2016-04-29
[41] 2017-10-29

---

[21] **2,928,672**
[13] A1
[51] **Int.Cl. A63B 57/00 (2015.01)**
[25] EN
[54] **GOLF TEE TOSS SYSTEMS**
[54] **SYSTEMES DE LANCER DU TE DE GOLF EN VUE DE DETERMINER L'ORDRE DE JEU**
[72] RICHARDSON, KEVIN, CA
[72] JOHNSON, BRAD, CA
[71] RICHARDSON, KEVIN, CA
[71] JOHNSON, BRAD, CA
[22] 2016-05-03
[41] 2017-11-03

---

[21] **2,928,680**
[13] A1
[51] **Int.Cl. E04H 12/22 (2006.01)**
[25] EN
[54] **POST HOLDER**
[54] **SUPPORT DE MONTANT**
[72] ANTINOLFI, JOHN, CA
[71] ANTINOLFI, JOHN, CA
[22] 2016-05-04
[41] 2017-11-04

---

[21] **2,928,763**
[13] A1
[51] **Int.Cl. E03B 9/08 (2006.01)**
[25] EN
[54] **OUTDOOR WATER SERVICE ENCLOSURE AND SYSTEM**
[54] **ENCEINTE DE SERVICE D'EAU EXTERIEUR ET SYSTEME**
[72] MAGILL, MICHAEL, CA
[72] MAHAN, CASEY, CA
[72] PLACSKO, CHAD, CA
[71] ION IRRIGATION MANAGEMENT INC., CA
[22] 2016-05-02
[41] 2017-11-02

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[21] **2,928,806**
[13] A1
[51] **Int.Cl. D21C 1/00 (2006.01) F26B 21/06 (2006.01)**
[25] EN
[54] **INTEGRATED UNIT FOR TREATMENT AND DRYING LIGNOCELLULOSIC MATERIAL**
[54] **MODULE INTEGRE DESTINE AU TRAITEMENT ET AU SECHAGE DE MATIERE LIGNOCELLULOSIQUE**
[72] ROY, JACQUES, CA
[71] ROY, JACQUES, CA
[22] 2016-05-04
[41] 2017-11-04

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[21] **2,928,818**
[13] A1
[51] **Int.Cl. B26B 21/52 (2006.01) B26B 21/22 (2006.01) B26B 21/60 (2006.01)**
[25] EN
[54] **RAZORS**
[54] **RASOIRS**
[72] BAZOS, DEMETRIUS J., CA
[72] KONIDAS, PETER J., CA
[71] BAZOS, DEMETRIUS J., CA
[71] KONIDAS, PETER J., CA
[22] 2016-05-04
[41] 2017-11-04

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[21] **2,928,823**
[13] A1
[51] **Int.Cl. C25B 11/04 (2006.01) C25B 11/02 (2006.01)**
[25] FR
[54] **MAGNESIUM ANODES AND THEIR USE IN THE ELECTRO-CHEMICAL SYNTHESIS OF STRUVITE**
[54] **ANODES AU MAGNESIUM ET LEUR UTILISATION DANS LA SYNTHESE ELECTROCHIMIQUE DE LA STRUVITE**
[72] LAAROUSSI, MOHAMED, CA
[72] BEN SALAH, IHSEN, CA
[71] E2METRIX INC., CA
[22] 2016-05-04
[41] 2017-11-04

[21] **2,928,891**
[13] A1
[51] **Int.Cl. B65F 1/14 (2006.01)**
[25] EN
[54] **IN-GROUND RECEPTACLE AND INSTALLATION THEREOF**
[54] **RECEPTACLE EN SOUS-SOL ET INSTALLATION ASSOCIEE**
[72] HALLMAN, DAVID, CA
[71] EARTHBIN INC., CA
[22] 2016-05-03
[41] 2017-11-03

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[21] **2,928,939**
[13] A1
[51] **Int.Cl. G01G 23/36 (2006.01) H04W 4/00 (2009.01) G06Q 10/08 (2012.01) G06Q 50/12 (2012.01) G01D 7/00 (2006.01)**
[25] EN
[54] **SENSING DEVICES AND SYSTEMS INCLUDING EXAMPLES OF PAIRING SENSING DEVICES TO CONTAINERS**
[54] **DISPOSITIFS DE DETECTION ET SYSTEMES COMPRENANT DES EXEMPLES DE PAIRAGE DE DISPOSITIFS DE DETECTION A DES CONTENEURS**
[72] FLOCKENHAUS, MICHAEL, US
[72] AUSTIN, JASON FRANKLIN, US
[71] STEADYSERV TECHNOLOGIES, LLC, US
[22] 2016-04-29
[41] 2017-10-29

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[21] **2,929,349**
[13] A1
[51] **Int.Cl. F21S 10/02 (2006.01) F21K 9/00 (2016.01) E21B 17/18 (2006.01) H05B 37/02 (2006.01)**
[25] EN
[54] **LIGHT FIXTURE**
[54] **APPAREIL D'ECLAIRAGE**
[72] CHONG, MATTHEW JOHN, AU
[72] KHAN, NOUMAN BASHIR, AU
[71] HUBBELL INCORPORATED, US
[22] 2016-05-09
[41] 2017-10-29
[30] US (62/329,377) 2016-04-29

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[21] **2,929,810**
[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01) G01N 33/53 (2006.01) G01N 33/74 (2006.01)**
[25] EN
[54] **IMPROVED EARLY PREDICTION OF PREECLAMPSIA**
[54] **PREDICTION PRECOCE AMELIOREE DE LA PREECLAMPSIE**
[72] GROBE, JUSTIN L., US
[72] SANTILLAN, MARK K., US
[72] SANTILLAN, DONNA ANN, US
[71] UNIVERSITY OF IOWA RESEARCH FOUNDATION, US
[22] 2016-05-11
[41] 2017-10-29
[30] US (62/329,829) 2016-04-29

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[21] **2,930,799**
[13] A1
[51] **Int.Cl. F24F 13/28 (2006.01) F24F 13/06 (2006.01)**
[25] EN
[54] **AIR FILTER SYSTEM FOR USE WITH INDIVIDUAL ROOM AIR OUTLETS**
[54] **SYSTEME DE FILTRE A AIR DESTINE A DES SORTIES D'AIR DE PIECE INDIVIDUELLES**
[72] HURLEY, PATRICK J., US
[71] HURLEY, PATRICK J., US
[22] 2016-05-24
[41] 2017-11-02
[30] US (15/143,833) 2016-05-02

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[21] **2,932,090**
[13] A1
[51] **Int.Cl. E21B 43/24 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR HEATING A BITUMEN OR HEAVY OIL RESERVOIR**
[54] **SYSTEME ET METHODE DE CHAUFFAGE DE RESERVOIR DE BITUME OU DE PETROLE LOURD**
[72] ACOSTA-RAMIREZ, HUGO, CA
[72] ENG, DENNEDY D.J., CA
[72] IRVINE, DOUGLAS J., CA
[72] SAPIANO, HENRY J., CA
[72] VETRONE, JOE, CA
[72] DE HAAS, THOMAS W., CA
[72] SMITH, JENNIFER, CA
[72] CAMPBELL, SUSAN, CA
[71] SUNCOR ENERGY INC., CA
[22] 2016-06-06
[41] 2017-11-02
[30] US (62/330,677) 2016-05-02

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[21] **2,936,344**
[13] A1
[51] **Int.Cl. B65B 11/00 (2006.01) B65B 11/58 (2006.01) B65D 5/56 (2006.01)**
[25] EN
[54] **SUSTAINABLE PACKAGING SYSTEM AND METHOD THEREOF**
[54] **SYSTEME D'EMBALLAGE DURABLE ET METHODE ASSOCIEE**
[72] FRANCO, DAVID LOUIS, US
[72] RUIZ, ANDRES, US
[71] FRANCO MANUFACTURING CO. INC., US
[22] 2016-07-15
[41] 2017-11-04
[30] US (15/146,181) 2016-05-04

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[21] **2,937,472**
[13] A1
[51] **Int.Cl. E06B 3/32 (2006.01) E05C 7/04 (2006.01) E06B 3/36 (2006.01) E06B 7/16 (2006.01)**
[25] EN
[54] **ASTRAGAL AND SEALING FOR THE SAME**
[54] **ASTRAGALE ET JOINT ASSOCIE**
[72] JASKIEWICZ, TOMASZ, US
[71] ENDURA PRODUCTS, INC., US
[22] 2016-07-28
[41] 2017-11-04
[30] US (15/146,286) 2016-05-04

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[21] **2,942,939**
[13] A1
[51] **Int.Cl. G09F 9/33 (2006.01)**
[25] EN
[54] **LED DISPLAY SCREEN**
[54] **ECRAN D'AFFICHAGE A DEL**
[72] WANG, DINGFANG, CN
[71] LEYARD OPTOELECTRONIC CO., LTD., CN
[22] 2016-09-22
[41] 2017-11-03
[30] CN (201610286606.5) 2016-05-03

[21] **2,945,359**
[13] A1
[51] **Int.Cl. A47B 96/04 (2006.01)**
[25] EN
[54] **SHELF PARTITION FOR DISPLAYING BAGGED FOOD ITEMS AND METHOD OF USING THE SAME**
[54] **DIVISEUR DE TABLETTE DESTINE A PRESENTER DES ARTICLES ALIMENTAIRES ENSACHES ET METHODE D'UTILISATION ASSOCIEE**
[72] COLLETTE, STEPHEN ROBERT, US
[71] POST CONSUMER BRANDS, LLC, US
[22] 2016-10-14
[41] 2017-11-04
[30] US (15/146,349) 2016-05-04

[21] **2,947,334**
[13] A1
[51] **Int.Cl. A47G 27/02 (2006.01)**
[25] EN
[54] **OPTIMIZED CHAIR MAT SHAPE**
[54] **FORME OPTIMISEE DE TAPIS DE CHAISE**
[72] AMRINE, PATRICK, US
[72] MOREY, KEVIN, US
[72] SANDERS, FORREST ADAM, US
[71] DIMEX OFFICE PRODUCTS LLC, US
[22] 2016-11-03
[41] 2017-11-04
[30] US (62/331,707) 2016-05-04
[30] US (15/333,649) 2016-10-25

[21] **2,949,319**
[13] A1
[51] **Int.Cl. A61H 39/00 (2006.01) A61H 99/00 (2006.01)**
[25] EN
[54] **AN APPARATUS AND METHOD FOR A UNITARY BODY SUCTION WITH CONTIGUOUS SEALING BEVELED LIP**
[54] **UN APPAREIL ET UNE METHODE D'ASPIRATION A CORPS UNITAIRE ET LEVRE BISEAUTEE A JOINT CONTINU**
[72] COTE, GUYLAINE, US
[72] COTE, VYTAL, US
[71] COTE, GUYLAINE, US
[71] COTE, VYTAL, US
[22] 2016-11-23
[41] 2017-11-03
[30] US (15/145,564) 2016-05-03

[21] **2,951,055**
[13] A1
[51] **Int.Cl. C04B 14/06 (2006.01) C04B 14/22 (2006.01)**
[25] EN
[54] **FORMULATION BASED ON HDYDRAULIC CEMENT ADDED WITH AMORPHOUS GLASSES AND MICRO-SPHERES FOR PRODUCTS OF REPAIR, MAINTENANCE OR REHABILITATION OF CONCRETE STRUCTURES**
[54] **FORMULATION FONDEE SUR UN CIMENT HYDRAULIQUE AUQUEL DU VERRE AMORPHE ET DES MICROSPHERES ONT ETE AJOUTES DESTINEE AUX PRODUITS DE REPARATION, ENTRETIEN OU RENOVATION DES STRUCTURES EN BETON**
[72] OSAWA DIAZ, JOSE, MX
[71] JOSAWA, S.A. DE C.V., MX
[22] 2016-12-09
[41] 2017-10-29
[30] MX (MX/A/2016/005644) 2016-04-29

[21] **2,951,304**
[13] A1
[51] **Int.Cl. D06M 10/02 (2006.01) D21H 25/04 (2006.01)**
[25] EN
[54] **POSITION ADJUSTMENT MECHANISM FOR A CORONA TREATMENT APPARATUS**
[54] **MECANISME D'AJUSTEMENT DE POSITION DESTINE A UN APPAREIL DE TRAITEMENT CORONAIRE**
[72] WOLF, RORY A., US
[72] URBAN, ERIC JOHN, US
[72] KLEINSCHMIDT, ROBERT ALAN, US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2016-12-09
[41] 2017-11-03
[30] US (15/145,327) 2016-05-03

[21] **2,952,137**
[13] A1
[51] **Int.Cl. A42B 3/20 (2006.01)**
[25] EN
[54] **HELMET WITH FACEMASK ADJUSTMENT MECHANISM**
[54] **CASQUE DOTE D'UN MECANISME D'AJUSTEMENT DE MASQUE FACIAL**
[72] MORIN, SEBASTIEN, CA
[72] BEAUCHAMP, PIERRE-LUC, CA
[72] LANGLOIS, SIMON, CA
[72] STEENBRINK, BRIAN WILLIAM, CA
[72] WIART, NICOLE JACQUELINE, CA
[72] GERMAIN, SIMON-PIERRE, CA
[71] SPORT MASKA INC., CA
[22] 2016-12-16
[41] 2017-10-29
[30] US (62/329,334) 2016-04-29

[21] **2,953,448**
[13] A1
[51] **Int.Cl. H02S 50/00 (2014.01) H02S 40/34 (2014.01) H02G 3/08 (2006.01)**
[25] EN
[54] **FAIL-SAFE DISCONNECT JUNCTION BOX AND SOLAR POWER SYSTEM**
[54] **BOITE DE RACCORDEMENT A DECONNEXION SANS DEFAILLANCE ET SYSTEME D'ENERGIE SOLAIRE**
[72] YU, YI, CN
[71] SHINE CHARM LIMITED, SC
[22] 2017-01-04
[41] 2017-11-03
[30] CN (201610293932.9) 2016-05-03

[21] **2,957,393**
[13] A1
[51] **Int.Cl. B01L 1/00 (2006.01) B08B 15/02 (2006.01)**
[25] EN
[54] **LABORATORY HOOD WITH VENTURI EFFECT AIR INTAKE DEVICE FOR ANTI-TURBULENT AIR FLOW CONTROL**
[54] **HOTTE DE LABORATOIRE A DISPOSITIF D'ENTREE D'AIR A EFFET VENTURI DESTINE AU CONTROLE DE FLUX D'AIR ANTI-TURBULENT**
[72] RINDOKS, KURT P., US
[72] VAUGHN, MICHAEL PINKNEY, US
[71] KEWAUNEE SCIENTIFIC CORPORATION, US
[22] 2017-02-08
[41] 2017-11-02
[30] US (15/144,038) 2016-05-02

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[21] **2,958,522**
[13] A1
[51] **Int.Cl. B65G 35/06 (2006.01) B61B 13/00 (2006.01)**
[25] EN
[54] **CONVEYING EQUIPMENT WITH UTILIZATION OF CONVEYING TRAVELING BODY**
[54] **EQUIPEMENT DE TRANSPORT COMPORTANT UNE COMPOSANTE DE TRANSPORT DE CORPS EN DEPLACEMENT**
[72] OKAMURA, TAKASHI, JP
[72] YAMAUCHI, YASUHIRO, JP
[71] DAIFUKU CO., LTD., JP
[22] 2017-02-21
[41] 2017-10-29
[30] JP (2016-092150) 2016-04-29

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[21] **2,959,223**
[13] A1
[51] **Int.Cl. C08F 2/01 (2006.01) C08F 2/34 (2006.01) G05D 16/20 (2006.01)**
[25] EN
[54] **PRESSURE CONTROL TO REDUCE PUMP POWER FLUCTUATIONS**
[54] **COMMANDE DE PRESSION VISANT A REDUIRE LES FLUCTUATIONS DE PUISSANCE DE LA POMPE**
[72] HOTTOVY, JOHN D., US
[72] KUFELD, SCOTT E., US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[22] 2017-02-27
[41] 2017-10-29
[30] US (15/142,279) 2016-04-29

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[21] **2,959,264**
[13] A1
[51] **Int.Cl. C25D 3/06 (2006.01) C25D 3/10 (2006.01) C25D 17/10 (2006.01)**
[25] EN
[54] **TRIVALENT CHROMIUM PLATING FORMULATIONS AND PROCESSES**
[54] **FORMULATIONS DE PLACAGE DE CHROME TRIVALENT ET PROCEDES**
[72] IJERI, VIJAYKUMAR S., US
[72] PRAKASH, OM, US
[72] GAYDOS, STEPHEN P., US
[72] MOHAN, SUBRAMANIAN, US
[71] THE BOEING COMPANY, US
[22] 2017-02-24
[41] 2017-11-02
[30] US (15/144,688) 2016-05-02

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[21] **2,959,422**
[13] A1
[51] **Int.Cl. B65D 25/40 (2006.01)**
[25] EN
[54] **TAP ASSEMBLY FOR SOLVENT CONTAINER**
[54] **ENSEMBLE DE ROBINET DESTINE A UN CONTENANT DE SOLVANT**
[72] SPECK, JAMES H., CA
[71] PRO FORM PRODUCTS LIMITED, CA
[22] 2017-03-01
[41] 2017-11-02
[30] US (62/330470) 2016-05-02
[30] US (62/337661) 2016-05-17

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[21] **2,959,824**
[13] A1
[51] **Int.Cl. A42B 1/06 (2006.01) A42B 1/22 (2006.01) A42B 1/24 (2006.01) A42C 1/00 (2006.01)**
[25] EN
[54] **A BASEBALL CAP WITH A COMB ON THE STRAP**
[54] **UNE CASQUETTE DE BASEBALL DOTEE D'UN PEIGNE SUR LA SANGLE**
[72] QUIROZ, ANTHONY, US
[72] KOSLIK, JOSEPH, US
[72] LEE, RAZGO, US
[71] OTTO INTERNATIONAL, INC., US
[22] 2017-03-02
[41] 2017-11-03
[30] US (14/999,412) 2016-05-03

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[21] **2,959,908**
[13] A1
[51] **Int.Cl. E04B 1/00 (2006.01) E04H 1/00 (2006.01)**
[25] EN
[54] **INTERLOCKING COMPONENTS STRUCTURE**
[54] **STRUCTURES DE COMPOSANTES INTERVERROUILLABLES**
[72] MACDOUGALL, KENNETH L., CA
[71] MACDOUGALL, KENNETH L., CA
[22] 2017-03-06
[41] 2017-10-31

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[21] **2,960,004**
[13] A1
[51] **Int.Cl. B64D 15/04 (2006.01) B64D 33/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PREVENTING ICE FORMATION ON PORTIONS OF AN AIRCRAFT**
[54] **SYSTEMES ET METHODES DE PREVENTION DE LA FORMATION DE GLACE SUR DES PORTIONS D'UN AERONEF**
[72] MACKIN, STEVE, US
[72] FISHER, ROBERT EARL, US
[71] THE BOEING COMPANY, US
[22] 2017-03-03
[41] 2017-11-02
[30] US (15/144,018) 2016-05-02

[21] **2,961,064**
[13] A1
[51] **Int.Cl. A46B 9/04 (2006.01) A61C 15/00 (2006.01)**
[25] EN
[54] **INTERDENTAL BRUSH AND DIAGNOSTIC METHOD WITH SAID INTERDENTAL BRUSH**
[54] **BROSSE INTERDENTAIRE ET METHODE DE DIAGNOSTIC AU MOYEN DE LADITE BROSSE INTERDENTAIRE**
[72] PETERSEN, RALF, DE
[71] SOLO-MED GMBH, DE
[22] 2017-03-15
[41] 2017-10-30
[30] DE (10 2016 005 332.1) 2016-04-30

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[21] **2,962,050**
[13] A1
[51] **Int.Cl. F01D 5/10 (2006.01) F01D 25/04 (2006.01)**
[25] EN
[54] **DAMPER RING**
[54] **BAGUE D'AMORTISSEUR**
[72] PANKRATOV, MAKSIM, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2017-03-23
[41] 2017-11-03
[30] US (15/145,160) 2016-05-03

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[21] **2,962,304**
[13] A1
[51] **Int.Cl. G01S 17/89 (2006.01)**
[25] EN
[54] **DEVICE FOR DETERMINING A 3D STRUCTURE OF AN OBJECT**
[54] **DISPOSITIF PERMETTANT DE DETERMINER UNE STRUCTURE 3D D'UN OBJET**
[72] KNUETTEL, ALEXANDER, DE
[71] VOCO GMBH, DE
[22] 2017-03-28
[41] 2017-11-04
[30] EP (16168338.8) 2016-05-04

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[21] **2,963,201**
[13] A1
[51] **Int.Cl. F24H 9/20 (2006.01) E03C 1/044 (2006.01) F24H 1/10 (2006.01)**
[25] EN
[54] **FLUID HEATING SYSTEM AND INSTANT FLUID HEATING DEVICE**
[54] **SYSTEME DE CHAUFFAGE DE FLUIDE ET DISPOSITIF DE CHAUFFAGE DE FLUIDE INSTANTANE**
[72] MIHU, SERGIU GABRIEL, US
[72] JURCZYSZAK, ERIC R., US
[72] HAYDEN, CHRIS, US
[71] EEMAX, INC., US
[22] 2017-04-04
[41] 2017-11-04
[30] US (15/146,251) 2016-05-04

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[21] **2,963,564**
[13] A1
[51] **Int.Cl. A47J 45/07 (2006.01)**
[25] FR
[54] **KITCHEN UTENSIL WITH REMOVABLE HANDLE**
[54] **USTENSILE DE CUISINE A POIGNEE AMOVIBLE**
[72] DODANE, PAUL, FR
[72] BRUGGER, EMMANUEL, FR
[72] DROUVILLE, PASCAL, FR
[71] CRISTEL, FR
[22] 2017-04-07
[41] 2017-11-03
[30] FR (1654008) 2016-05-03
[30] FR (1655008) 2016-06-02

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[21] **2,963,656**
[13] A1
[51] **Int.Cl. B65G 69/28 (2006.01) B65G 69/00 (2006.01)**
[25] EN
[54] **CONTROL SYSTEMS FOR OPERATION OF LOADING DOCK EQUIPMENT, AND ASSOCIATED METHODS OF MANUFACTURE AND USE**
[54] **SYSTEMES DE COMMANDE DESTINES A L'UTILISATION D'EQUIPEMENT DE QUAI DE CHARGEMENT, ET METHODES ASSOCIEES DE FABRICATION ET UTILISATION**
[72] HOOFARD, RICHARD K., US
[72] WALFORD, BRETT A., US
[72] KOSEK, STEPHEN, US
[71] ASSA ABLOY ENTRANCE SYSTEMS AB, SE
[22] 2017-04-10
[41] 2017-11-03
[30] US (15/145,605) 2016-05-03

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[21] **2,964,008**
[13] A1
[51] **Int.Cl. F16B 35/04 (2006.01) E04C 5/12 (2006.01) E04C 5/16 (2006.01)**
[25] EN
[54] **DOUBLE THREADED STANDOFF FASTENER**
[54] **FIXATION INDEPENDANTE FILETEE DOUBLE**
[72] DAYTON, LIONEL E., US
[72] LUKES, RICHARD W., US
[71] NUCOR CORPORATION, US
[71] ASIA FASTENING (US), INC., US
[22] 2017-04-11
[41] 2017-11-02
[30] US (62/330,633) 2016-05-02

[21] **2,964,400**
[13] A1
[51] **Int.Cl. G01R 19/15 (2006.01) B64F 5/60 (2017.01) B64D 45/02 (2006.01) G01K 11/12 (2006.01) G01N 21/88 (2006.01) G01R 19/165 (2006.01)**
[25] EN
[54] **THERMO-CHROMATIC WITNESS FEATURES FOR LIGHTNING STRIKE INDICATION IN BOTH METALLIC AND COMPOSITE STRUCTURES**
[54] **FONCTIONNALITES DE TEMOIN THERMOCHROMATIQUE DESTINEES A L'INDICATION DE COUP DE FOUDRE DANS LES STRUCTURES METALLIQUES ET LES STRUCTURES COMPOSITES**
[72] GEORGESON, GARY, US
[72] IHN, JEONG-BEOM, US
[71] THE BOEING COMPANY, US
[22] 2017-04-12
[41] 2017-11-02
[30] US (15/143958) 2016-05-02

[21] **2,964,549**
[13] A1
[51] **Int.Cl. C09J 133/00 (2006.01) C08J 5/12 (2006.01)**
[25] EN
[54] **PRESSURE-SENSITIVE ADHESIVES FOR BONDING FLEXIBLE PRINTING PLATES**
[54] **ADHESIFS SENSIBLES A LA PRESSION SERVANT A RELIER DES PLAQUES D'IMPRESSION FLEXIBLES**
[72] PUTZ, BENJAMIN, DE
[72] THEBUD, NILS, DE
[72] WIEGHARDT, LISA, DE
[71] TESA SE, DE
[22] 2017-04-13
[41] 2017-10-29
[30] DE (10 2016 207 374.5) 2016-04-29

[21] **2,964,553**
[13] A1
[51] **Int.Cl. F16C 11/10 (2006.01) A47B 21/013 (2006.01) F16M 11/04 (2006.01)**
[25] EN
[54] **LOCKING RELEASE MECHANISM FOR AN ARTICULATED SUPPORT ARM**
[54] **MECANISME DE LIBERATION DE VERROUILLAGE DESTINE A UN BRAS DE SUPPORT ARTICULE**
[72] GLASER, ROBERT P., US
[72] LITTLEFIELD, JOSHUA K., US
[72] DAUGBJERG, CRISTIAN J., US
[72] BORLOZ, PAUL R., US
[71] GCX CORPORATION, US
[22] 2017-04-20
[41] 2017-10-29
[30] US (15/142,954) 2016-04-29

[21] **2,964,614**
[13] A1
[51] **Int.Cl. B64D 33/00 (2006.01) B64D 15/04 (2006.01) F02C 7/047 (2006.01) F28F 1/40 (2006.01) F28F 13/08 (2006.01) F28F 13/12 (2006.01)**
[25] EN
[54] **DIRECTIONAL FLOW NOZZLE SWIRL ENHANCER**
[54] **DISPOSITF D'AMELIORATION DU TOURBILLON DE BUSE A FLUX DIRECTIONNEL**
[72] TIWARI, PRASHANT, US
[72] MUKHERJEE, SHILADITYA, US
[72] WIBERG, CLARK GEORGE, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2017-04-20
[41] 2017-11-02
[30] US (15/143,770) 2016-05-02

[21] **2,964,617**
[13] A1
[51] **Int.Cl. B64D 29/00 (2006.01) B64D 15/04 (2006.01) B64D 33/02 (2006.01) F01D 25/12 (2006.01) F02C 7/12 (2006.01) F15D 1/12 (2006.01)**
[25] EN
[54] **DIMPLED NACELLE INNER-SURFACE FOR HEAT TRANSFER IMPROVEMENT**
[54] **SURFACE INTERIEURE DE NACELLE A BOSSETTES DESTINEE A L'AMELIORATION DU TRANSFERT THERMIQUE**
[72] TIWARI, PRASHANT, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2017-04-20
[41] 2017-11-02
[30] US (15/143,758) 2016-05-02

[21] **2,964,624**
[13] A1
[51] **Int.Cl. F01D 5/18 (2006.01) F01D 25/12 (2006.01) F02C 7/12 (2006.01) F02D 9/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR COOLING COMPONENTS OF A GAS TURBINE ENGINE**
[54] **SYSTEME ET METHODE DE REFROIDISSEMENT DE COMPOSANTES D'UNE TURBINE A GAZ**
[72] BUNKER, RONALD SCOTT, US
[72] GROVES II, ROBERT CHARLES, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2017-04-20
[41] 2017-11-03
[30] US (15/144,857) 2016-05-03

[21] **2,964,655**
[13] A1
[51] **Int.Cl. F02C 6/08 (2006.01) F01D 9/02 (2006.01) F02C 9/18 (2006.01)**
[25] EN
[54] **FEEDER DUCT ASSEMBLY WITH FLEXIBLE END FITTINGS**
[54] **ASSEMBLAGE DE CONDUITE DE DISPOSITIF D'ALIMENTATION DOTE DE RACCORDS D'EXTREMITE FLEXIBLES**
[72] JONNALAGADDA, DATTU, G.V., IN
[72] JANKIN, GREEDARAN KUBENDRAN, IN
[72] GRAHAM, BRUCE PATRICK, US
[72] SIVAPRASAD, RACHAMADUGU, IN
[72] MILLWARD, DOUGLAS, US
[71] UNISON INDUSTRIES, LLC, US
[22] 2017-04-20
[41] 2017-11-04
[30] IN (201641015601) 2016-05-04

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[21] **2,964,724**
[13] A1
[51] **Int.Cl. F02C 7/06 (2006.01) F01D 25/16 (2006.01) F01D 25/18 (2006.01)**
[25] EN
[54] **SUMP ASSEMBLY FOR A GAS TURBINE ENGINE**
[54] **ENSEMBLE DE CARTER DESTINE A UNE TURBINE A GAZ**
[72] WOTZAK, MARK GREGORY, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2017-04-20
[41] 2017-10-29
[30] US (15/141,917) 2016-04-29

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[21] **2,964,931**
[13] A1
[51] **Int.Cl. B32B 1/02 (2006.01) B32B 37/00 (2006.01)**
[25] FR
[54] **FLEXIBLE FUEL RESERVOIR WITH PROPERTIES FOR DISSIPATING ELECTROSTATIC CHARGES**
[54] **RESERVOIR SOUPLE DE CARBURANT PRESENTANT DES PROPRIETES DE DISSIPATION DES CHARGES ELECTROSTATIQUES**
[72] BRIAND, VALERIE, FR
[72] FILIPPIDIS, SARA, FR
[72] LACOINTE, STEPHANIE, FR
[72] VERNAY, SEBASTIEN, FR
[71] ZODIAC AEROSAFETY SYSTEMS, FR
[22] 2017-04-20
[41] 2017-11-03
[30] FR (FR 16 54012) 2016-05-03

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[21] **2,965,021**
[13] A1
[51] **Int.Cl. H05B 37/02 (2006.01) H01H 9/00 (2006.01)**
[25] EN
[54] **ELECTRICAL SWITCH AND SLIDER ASSEMBLY THEREFOR**
[54] **ENSEMBLE D'INTERRUPTEUR ELECTRIQUE ET COULISSE ASSOCIEE**
[72] DHOTE, NAVNEET RAMKRUSHNAJI, IN
[72] SAWAI, NILESH KAMLAKAR, IN
[72] KUMAR, PRAMOD, US
[72] NEUNDORFER, OSCAR L., US
[71] EATON CORPORATION, US
[22] 2017-04-20
[41] 2017-11-03
[30] US (15/145,201) 2016-05-03

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[21] **2,965,023**
[13] A1
[51] **Int.Cl. H01H 3/02 (2006.01) H01H 3/40 (2006.01) H02B 13/00 (2006.01)**
[25] EN
[54] **ELECTRICAL ENCLOSURE, AND SWITCHING ASSEMBLY AND TRANSFER ASSEMBLY THEREFOR**
[54] **ENCEINTE ELECTRIQUE ET MECANISME DE COMMUTATION ET MECANISME DE TRANSFERT ASSOCIE**
[72] ZHANG, XUECHENG, CN
[72] DARR, MATTHEW RAIN, CN
[72] GUO, XUAN, CN
[71] EATON CORPORATION, US
[22] 2017-04-20
[41] 2017-10-29
[30] US (15/142,136) 2016-04-29

---

[21] **2,965,025**
[13] A1
[51] **Int.Cl. A47C 27/10 (2006.01) A47C 27/00 (2006.01) A47C 27/06 (2006.01)**
[25] EN
[54] **ADJUSTABLE COMFORT MATTRESS SYSTEM AND PROCESSES**
[54] **SYSTEME DE MATELAS A CONFORT AJUSTABLE ET PROCEDES**
[72] DUWELL, MICHAEL J., US
[72] DEFRANKS, MICHAEL S., US
[71] DREAMWELL, LTD., US
[22] 2017-04-21
[41] 2017-11-04
[30] US (15/146,165) 2016-05-04

[21] **2,965,030**
[13] A1
[51] **Int.Cl. F01D 25/18 (2006.01) F01D 25/32 (2006.01) F02C 7/06 (2006.01)**
[25] EN
[54] **LUBRICATION SCAVENGE SYSTEM FOR A TURBINE ENGINE WITH COUNTER-ROTATING SHAFTS**
[54] **SYSTEME D'ELIMINATION DE LUBRIFICATION DESTINE A UNE TURBINE DOTEE D'ARBRES CONTRAROTATIFS**
[72] LIGHTY, KERRY J., US
[72] BURNSIDE, PHILLIP, US
[71] ROLLS-ROYCE CORPORATION, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[22] 2017-04-21
[41] 2017-10-29
[30] US (62/329,797) 2016-04-29
[30] US (15/493,219) 2017-04-21

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[21] **2,965,043**
[13] A1
[51] **Int.Cl. B65H 19/10 (2006.01) B65B 41/10 (2006.01) B65B 41/16 (2006.01) B65H 19/18 (2006.01)**
[25] FR
[54] **BUNDLING FEEDER**
[54] **ALIMENTATION DE FARDELAGE**
[72] CHOPLIN, GREGORY, FR
[71] C.E.R.M.E.X. CONSTRUCTIONS ETUDES ET RECHERCHES DE MATERIELS POUR L'EMBALLAGE D'EXPEDITION, FR
[22] 2017-04-21
[41] 2017-10-29
[30] FR (1653868) 2016-04-29

---

[21] **2,965,120**
[13] A1
[51] **Int.Cl. G06T 7/20 (2017.01) A61B 5/055 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS TO AUTOMATICALLY DETERMINE THE RELATIONSHIP BETWEEN DATA**
[54] **METHODE ET APPAREIL PERMETTANT DE DETERMINER AUTOMATIQUEMENT LA RELATION ENTRE LES DONNEES**
[72] LEDOUX, LEON, NL
[72] WEIJERS, BAS, BE
[72] ABEN, JEAN-PAUL, NL
[71] PIE MEDICAL IMAGING B.V., NL
[22] 2017-04-25
[41] 2017-11-02
[30] EP (EP16167909.7) 2016-05-02

---

[21] **2,965,175**
[13] A1
[51] **Int.Cl. B65D 1/36 (2006.01) B65D 21/032 (2006.01)**
[25] EN
[54] **TRAY SYSTEM FOR STACKING LAYERS OF NON-STRUCTURAL BOTTLES**
[54] **SYSTEME DE PLATEAU DESTINE A EMPILER DES COUCHES DE BOUTEILLES NON STRUCTURALES**
[72] THOMPSON, BENJAMIN JOEL, US
[72] HOWE, STEPHEN ROLAND, US
[71] ORBIS CORPORATION, US
[22] 2017-04-25
[41] 2017-10-29
[30] US (62/329,667) 2016-04-29
[30] US (15/495,053) 2017-04-24

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[21] **2,965,197**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF CONTROLLING DELIVERY OF RETAIL PRODUCTS**
[54] **SYSTEMES ET METHODES DE CONTROLE DE LA DISTRIBUTION DE PRODUITS DE VENTE AU DETAIL**
[72] PUTCHA, SAI PHANEENDRA SRI HARSHA VISWANATH, US
[72] DELPERDANG, GARY J., US
[71] WAL-MART STORES, INC., US
[22] 2017-04-25
[41] 2017-10-29
[30] US (62/329,396) 2016-04-29

---

[21] **2,965,227**
[13] A1
[51] **Int.Cl. B65D 47/04 (2006.01) B67D 7/36 (2010.01) A61M 5/175 (2006.01) A61M 39/10 (2006.01) A61M 39/22 (2006.01) F16K 17/00 (2006.01)**
[25] EN
[54] **TUBE WITH THROTTLE INSERT**
[54] **TUBE DOTE D'UNE INSERTION DE REGULATEUR**
[72] GEIGER, ANDREAS, CH
[72] EGGENBERG, ANDREAS, CH
[71] HOFFMANN NEOPAC AG, CH
[22] 2017-04-26
[41] 2017-11-03
[30] CH (00585/16) 2016-05-03

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[21] **2,965,250**
[13] A1
[51] **Int.Cl. G01D 5/56 (2006.01) E21B 47/13 (2012.01) E21B 47/01 (2012.01) G01H 9/00 (2006.01) G01V 1/16 (2006.01)**
[25] EN
[54] **HYBRID SENSING APPARATUS AND METHOD**
[54] **APPAREIL DE DETECTION HYBRIDE ET METHODE**
[72] VALISHIN, OLEG, FR
[71] SERCEL, FR
[22] 2017-04-24
[41] 2017-11-04
[30] US (15/146,126) 2016-05-04

---

[21] **2,965,254**
[13] A1
[51] **Int.Cl. F01D 25/18 (2006.01) F01D 25/20 (2006.01) F02C 7/06 (2006.01)**
[25] EN
[54] **RECONFIGURABLE LUBRICATION SYSTEM FOR MULTIPLE POWERTRAIN ORIENTATIONS**
[54] **SYSTEME DE LUBRIFICATION RECONFIGURABLE DESTINE A DES ORIENTATIONS DE GROUPE MOTOPROPULSEUR MULTIPLES**
[72] ROEVER, DOUGLAS M., US
[71] ROLLS-ROYCE CORPORATION, US
[22] 2017-04-26
[41] 2017-10-29
[30] US (62/329,564) 2016-04-29
[30] US (15/481,006) 2017-04-06

[21] **2,965,292**
[13] A1
[51] **Int.Cl. F01D 25/00 (2006.01) F02C 7/00 (2006.01) G01J 5/00 (2006.01) G01M 15/14 (2006.01)**
[25] EN
[54] **MICRO THERMAL IMAGING SYSTEM FOR TURBINE ENGINES**
[54] **SYSTEME D'IMAGERIE MICROTHERMIQUE DESTINE A DES TURBINES**
[72] WANG, GUANGHUA, US
[72] WETZEL, TODD GARRETT, US
[72] DEES, JASON EDWARD, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2017-04-27
[41] 2017-10-29
[30] US (15/142,539) 2016-04-29

---

[21] **2,965,296**
[13] A1
[51] **Int.Cl. F16L 33/22 (2006.01) F16L 33/01 (2006.01)**
[25] EN
[54] **LAY-FLAT HIGH PRESSURE HOSE AND METHOD OF MANUFACTURING SAME**
[54] **TUYAU HAUTE PRESSION POSE A PLAT ET METHODE DE FABRICATION ASSOCIEE**
[72] WARREN, ANTHONY G., CA
[71] WARREN, ANTHONY G., CA
[22] 2017-04-27
[41] 2017-10-29
[30] US (62/329583) 2016-04-29

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[21] **2,965,305**
[13] A1
[51] **Int.Cl. H02K 11/20 (2016.01) H02K 11/21 (2016.01) H02K 7/116 (2006.01)**
[25] EN
[54] **SWITCHING DEVICE FOR SWITCHING AN ELECTRIC MOTOR**
[54] **DISPOSITIF DE COMMUTATION DESTINE A LA COMMUTATION D'UN MOTEUR ELECTRIQUE**
[72] LOCK, FRANK, DE
[72] NIEDERER, PATRICK, DE
[72] FLUHR, TOBIAS, DE
[71] LOCK ANTRIEBSTECHNIK GMBH, DE
[22] 2017-04-26
[41] 2017-10-29
[30] DE (10 2016 108 007.1) 2016-04-29

---

[21] **2,965,392**
[13] A1
[51] **Int.Cl. E05C 19/00 (2006.01)**
[25] EN
[54] **MODULAR LATCH BAR**
[54] **BARRE DE VERROU MODULAIRE**
[72] KOLONIA, ROBERT K., US
[72] KOLONIA, BRIAN J., US
[72] ALUNNI, VICTOR, US
[71] SCRANTON PRODUCTS, INC., US
[22] 2017-04-28
[41] 2017-11-03
[30] US (15/145,271) 2016-05-03

---

[21] **2,965,413**
[13] A1
[51] **Int.Cl. C10G 49/16 (2006.01)**
[25] EN
[54] **NEW GENERATION EBULLATED-BED REACTOR SYSTEM**
[54] **SYSTEME DE REACTEUR A LIT BOUILLONNANT DE NOUVELLE GENERATION**
[72] COLYAR, JAMES J., US
[71] AXENS, FR
[71] IFP ENERGIES NOUVELLES, FR
[22] 2017-04-26
[41] 2017-10-29
[30] US (15/142,159) 2016-04-29

---

[21] **2,965,456**
[13] A1
[51] **Int.Cl. E04B 1/24 (2006.01) E04B 1/38 (2006.01) E04B 1/98 (2006.01) E04H 9/02 (2006.01)**
[25] EN
[54] **MOMENT RESISTING BI-AXIAL BEAM-TO-COLUMN JOINT CONNECTION**
[54] **CONNEXION DE JOINT MONTANT-COLONNE BI-AXIALE RESISTANT AU MOMENT**
[72] HOUGHTON, DAVID L., US
[72] HUYNH, QUANG MINH, US
[72] RAFEZY, BEHZAD, US
[72] ADAMS, JARED J., US
[71] MITEK HOLDINGS, INC., US
[22] 2017-04-27
[41] 2017-11-02
[30] US (15/144,414) 2016-05-02

---

[21] **2,965,624**
[13] A1
[51] **Int.Cl. G07F 11/00 (2006.01) A47F 10/02 (2006.01) A61F 13/84 (2006.01) A61F 13/15 (2006.01)**
[25] EN
[54] **VENDING MACHINE FOR RETAINING AND DISPENSING FEMININE HYGIENE PRODUCTS THROUGH A NOVEL COIN OPERATING APPARATUS**
[54] **MACHINE DISTRIBUTRICE DESTINEE A RETENIR ET DISTRIBUER DES PRODUITS D'HYGIENE FEMININE AU MOYEN D'UN NOUVEL APPAREIL FONCTIONNANT AVEC DES PIECES DE MONNAIE**
[72] MORAD, FRED I., US
[72] CAMP, WILLIAM P., JR., US
[72] BENECKE, ARNOLD G., US
[72] ACOSTA, ROBERT A., US
[71] TRANZONIC COMPANIES, US
[22] 2017-05-01
[41] 2017-11-01
[30] US (15/143,619) 2016-05-01
[30] US (15/338,066) 2016-10-28

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[21] **2,965,652**
[13] A1
[51] **Int.Cl. C12N 15/13 (2006.01) C07K 16/24 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **INTERFERON BETA ANTIBODIES**
[54] **ANTICORPS D'INTERFERON BETA**
[72] GULLA, STEFANO V., US
[72] HUARD, CHRISTINE, US
[72] BUHLMANN, JANET ELIZABETH, US
[72] ALMAGRO, JUAN CARLOS, US
[72] KODANGATTIL, SREEKUMAR R., US
[72] GREENBERG, STEVEN A., US
[72] LAVALLIE, EDWARD ROLAND, US
[72] BENNETT, ERIC M., US
[72] MOSYAK, LIDIA, US
[72] HALL, JAMES PERRY, US
[72] COYLE, ANTHONY JOHN, US
[71] PFIZER INC., US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[22] 2017-04-28
[41] 2017-10-29
[30] US (62/329,327) 2016-04-29
[30] US (62/339,709) 2016-05-20
[30] US (62/483,669) 2017-04-10

[21] **2,965,655**
[13] A1
[51] **Int.Cl. F16L 23/18 (2006.01) F16J 15/10 (2006.01)**
[25] EN
[54] **FLANGE SEAL AND SEALING ARRANGEMENT COMPRISING SUCH A FLANGE SEAL**
[54] **JOINT DE BRIDE ET DISPOSITIF D'ETANCHEITE COMPORTANT UN TEL JOINT DE BRIDE**
[72] NAHRWOLD, OLAF, DE
[72] GEUBERT, CHRISTIAN, DE
[72] MENZENHAUER, FRANK, DE
[72] KRITZER, PETER, DE
[72] LAUER, FRANK, DE
[71] CARL FREUDENBERG KG, DE
[22] 2017-05-03
[41] 2017-11-04
[30] DE (10 2016 005 385.2) 2016-05-04

---

[21] **2,965,760**
[13] A1
[51] **Int.Cl. F04B 47/06 (2006.01) E21B 43/12 (2006.01) E21B 4/00 (2006.01)**
[25] EN
[54] **ROTARY MOTOR DRIVEN RECIPROCATING DOWNHOLE PUMP ASSEMBLY**
[54] **DISPOSITIF DE POMPE DE FOND DE TROU ALTERNATIVE ENTRAINEE PAR UN MOTEUR ROTATIF**
[72] MINISH, SHELDON M., CA
[72] KISER, SCOTT W.W., CA
[72] MORRIS, JOHN R., CA
[71] CJS PRODUCTION TECHNOLOGIES INC., CA
[22] 2017-05-02
[41] 2017-11-02
[30] US (62/330,352) 2016-05-02

---

[21] **2,965,761**
[13] A1
[51] **Int.Cl. C04B 28/14 (2006.01) C04B 14/14 (2006.01) C04B 14/42 (2006.01) C04B 16/12 (2006.01) C04B 28/02 (2006.01)**
[25] EN
[54] **GYPSUM CEMENT COMPOSITION AND ARTICLES FORMED THEREOF**
[54] **COMPOSITION DE PLATRE ET ARTICLES FORMES DE LADITE COMPOSITION**
[72] MANESH, ALIREZA MOLAEI, CA
[71] MANESH, ALIREZA MOLAEI, CA
[22] 2017-05-01
[41] 2017-11-04
[30] US (62/331,535) 2016-05-04

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[21] **2,965,775**
[13] A1
[51] **Int.Cl. E21B 19/16 (2006.01) F16H 1/28 (2006.01)**
[25] EN
[54] **APPARATUS FOR ROTATING AND CLAMPING A TUBULAR**
[54] **APPAREIL PERMETTANT DE FAIRE TOURNER ET DE PINCER UNE TUBULURE**
[72] MCCLURE, MIKE, US
[71] HAWK INDUSTRIES, INC., US
[22] 2017-05-01
[41] 2017-10-29
[30] US (62/329642) 2016-04-29

---

[21] **2,965,799**
[13] A1
[51] **Int.Cl. B65G 23/44 (2006.01)**
[25] FR
[54] **CONVEYOR BELT WITH BELT TENSION EVALUATION DEVICE**
[54] **CONVOYEUR A BANDE AVEC DISPOSITIF D'EVALUATION DE LA TENSION DE LA BANDE**
[72] BRUNONE, RENE, FR
[71] BRUNONE, RENE, FR
[22] 2017-04-28
[41] 2017-11-03
[30] FR (16 53 983) 2016-05-03

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[21] **2,965,833**
[13] A1
[51] **Int.Cl. H02J 50/00 (2016.01) A47B 21/00 (2006.01) A47B 97/00 (2006.01) H02J 3/02 (2006.01) H05K 5/03 (2006.01)**
[25] EN
[54] **ELECTRICAL POWER UNIT WITH WIRELESS CHARGING**
[54] **MODULE D'ALIMENTATION ELECTRIQUE A RECHARGE SANS FIL**
[72] BYRNE, NORMAN R., US
[72] MORROW, NICKOLAS J., US
[71] BYRNE, NORMAN R., US
[22] 2017-05-01
[41] 2017-11-02
[30] US (62/330712) 2016-05-02

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[21] **2,965,859**
[13] A1
[51] **Int.Cl. H05K 5/02 (2006.01) H04W 84/18 (2009.01) G04B 37/00 (2006.01) G05D 23/19 (2006.01) H02J 3/02 (2006.01) H04B 5/00 (2006.01) H05B 37/02 (2006.01)**
[25] EN
[54] **INFORMATION DISPLAY AND CONTROL FOR WORK AREAS**
[54] **AFFICHEUR D'INFORMATION ET CONTROLE DESTINES A DES ZONES DE TRAVAIL**
[72] BYRNE, NORMAN R., US
[72] WARD, JOSEPH D., US
[72] PATE, RANDELL E., US
[71] BYRNE, NORMAN R., US
[22] 2017-05-01
[41] 2017-11-02
[30] US (62/330492) 2016-05-02

[21] **2,965,861**
[13] A1
[51] **Int.Cl. E04B 5/36 (2006.01)**
[25] EN
[54] **CONCRETE SLAB PANEL FORMING, INFORCING, JOINT SEALING AND EDGE PROTECTING FRAMING SYSTEM**
[54] **SYSTEME STRUCTUREL DE FACONNAGE DE PANNEAU DE DALLE DE BETON, RENFORCEMENT, ETANCHEISATION DE JOINT ET PROTECTION DE REBORD**
[72] MESSINA, GIANFRANCO, CA
[72] MESSINA, CLAUDIO, CA
[71] MESSINA, GIANFRANCO, CA
[71] MESSINA, CLAUDIO, CA
[22] 2017-05-01
[41] 2017-11-02
[30] US (15/144,711) 2016-05-02

[21] **2,965,882**
[13] A1
[51] **Int.Cl. H04W 88/02 (2009.01)**
[25] EN
[54] **WIRELESS COMMUNICATIONS MODULE FOR WORK SURFACE POWER AND DATA UNITS**
[54] **MODULE DE COMMUNICATION SANS FIL DESTINE A DES UNITES DE DONNEES ET D'ALIMENTATION DE SURFACE DE TRAVAIL**
[72] BYRNE, NORMAN R., US
[72] LAUTENBACH, AARON G., US
[71] BYRNE, NORMAN R., US
[22] 2017-05-01
[41] 2017-11-02
[30] US (62/330766) 2016-05-02

[21] **2,965,885**
[13] A1
[51] **Int.Cl. H01R 13/639 (2006.01) H01R 24/00 (2011.01)**
[25] EN
[54] **TWIST-LOCK ELECTRICAL CONNECTOR**
[54] **CONNECTEUR ELECTRIQUE A VERROU PIVOTANT**
[72] BYRNE, NORMAN R., US
[72] MITCHELL, MARC A., US
[72] KNAPP, ROBERT L., US
[72] MORROW, NICKOLAS J., US
[71] BYRNE, NORMAN R., US
[22] 2017-05-01
[41] 2017-11-02
[30] US (62/330582) 2016-05-02

[21] **2,965,889**
[13] A1
[51] **Int.Cl. H05K 5/02 (2006.01) H02J 50/00 (2016.01) H02J 3/02 (2006.01)**
[25] EN
[54] **WORKSURFACE-MOUNTED WIRELESS CHARGING GROMMET**
[54] **BAGUE DE RECHARGE SANS FIL INSTALLEE SUR UNE SURFACE DE TRAVAIL**
[72] BYRNE, NORMAN R., US
[72] MAHER, PETER J., US
[71] BYRNE, NORMAN R., US
[22] 2017-05-01
[41] 2017-11-02
[30] US (62/330831) 2016-05-02

[21] **2,965,892**
[13] A1
[51] **Int.Cl. G08B 5/00 (2006.01) H04W 4/20 (2009.01) G08B 5/38 (2006.01) G08B 7/00 (2006.01)**
[25] EN
[54] **WIRELESS STATUS INDICATOR LIGHT**
[54] **TEMOIN LUMINEUX D'ETAT DE CONNEXION SANS FIL**
[72] BYRNE, NORMAN R., US
[72] MORROW, NICKOLAS J., US
[71] BYRNE, NORMAN R., US
[22] 2017-05-01
[41] 2017-11-02
[30] US (62/330386) 2016-05-02
[30] US (62/342385) 2016-05-27

[21] **2,965,904**
[13] A1
[51] **Int.Cl. A61K 49/00 (2006.01) A61B 3/10 (2006.01) A61B 3/14 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR DETECTING BIOFILMS ON THE EYELID MARGIN**
[54] **METHODES ET DISPOSITIFS DE DETECTION DE BIOFILMS SUR LE BORD DE LA PAUPIERE**
[72] RYNERSON, JAMES M., US
[71] RYNERSON, JAMES M., US
[22] 2017-05-01
[41] 2017-11-02
[30] US (62/330,657) 2016-05-02

[21] **2,965,921**
[13] A1
[51] **Int.Cl. E03C 1/23 (2006.01)**
[25] EN
[54] **POP-UP DRAIN ASSEMBLY**
[54] **DISPOSITIF D'EVACUATION A FERMETURE RAPIDE**
[72] BECK, HAROLD KENT, US
[72] AHUJA, SANJAY, US
[71] PF WATERWORKS LP, US
[22] 2017-05-01
[41] 2017-11-02
[30] US (62/330,783) 2016-05-02
[30] US (62/436,024) 2016-12-19
[30] US (62/460,081) 2017-02-16
[30] US (62/461,419) 2017-02-21
[30] US (62/474,058) 2017-03-20

[21] **2,965,922**
[13] A1
[51] **Int.Cl. E03C 1/23 (2006.01)**
[25] EN
[54] **PUSH-TYPE DRAIN STOPPER FOR POP-UP DRAIN**
[54] **BOUCHON D'EVACUATION DE TYPE POUSSEE DESTINE A UNE EVACUATION A FERMETURE RAPIDE**
[72] BECK, HAROLD KENT, US
[72] AHUJA, SANJAY, US
[71] PF WATERWORKS LP, US
[22] 2017-05-01
[41] 2017-11-02
[30] US (62/330,783) 2016-05-02
[30] US (62/474,058) 2017-03-20

[21] **2,965,924**
[13] A1
[51] **Int.Cl. A47K 1/14 (2006.01)**
[25] EN
[54] **BATHTUB DRAIN STOPPER**
[54] **BOUCHON D'EVACUATION DE BAIGNOIRE**
[72] BECK, HAROLD KENT, US
[72] AHUJA, SANJAY, US
[71] PF WATERWORKS LP, US
[22] 2017-05-01
[41] 2017-11-02
[30] US (62/330,783) 2016-05-02
[30] US (62/460,071) 2017-02-16

[21] **2,965,931**
[13] A1
[51] **Int.Cl. A61B 8/00 (2006.01) A61B 8/06 (2006.01) A61B 8/12 (2006.01) A61B 17/10 (2006.01) A61M 31/00 (2006.01)**
[25] EN
[54] **VASCULAR ISOLATION SYSTEMS AND METHODS**
[54] **SYSTEMES D'ISOLATION VASCULAIRE ET METHODES**
[72] KRIMSKY, WILLIAM S., US
[71] COVIDIEN LP, US
[22] 2017-05-02
[41] 2017-11-03
[30] US (15/144,888) 2016-05-03

---

[21] **2,965,950**
[13] A1
[51] **Int.Cl. A61H 9/00 (2006.01) A61F 7/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR HEATED MASSAGE THERAPY**
[54] **METHODE ET APPAREIL DE THERAPIE PAR MASSAGE CHAUFFANT**
[72] SMITH, JAMES F., US
[71] SMITH, JAMES F., US
[22] 2017-05-02
[41] 2017-11-04
[30] US (15/146060) 2016-05-04

---

[21] **2,965,951**
[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) A61B 8/12 (2006.01) A61B 17/94 (2006.01)**
[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS FOR LOCATING PRESSURE SENSITIVE CRITICAL STRUCTURES**
[54] **DISPOSITIFS, SYSTEMES ET METHODES DE REPERAGE DE STRUCTURES CRITIQUES SENSIBLES A LA PRESSION**
[72] ROOKS, KATHY E., US
[71] COVIDIEN LP, US
[22] 2017-05-02
[41] 2017-11-03
[30] US (15/144,945) 2016-05-03

---

[21] **2,965,954**
[13] A1
[51] **Int.Cl. A61B 8/12 (2006.01) A61B 34/20 (2016.01) A61B 5/05 (2006.01) A61B 8/00 (2006.01) A61M 25/095 (2006.01)**
[25] EN
[54] **SYSTEMS FOR SENSING POSITION OF IMAGING DEVICE**
[54] **SYSTEMES DE DETECTION DE LA POSITION D'UN APPAREIL D'IMAGERIE**
[72] HILL, MORGAN L., US
[72] LARSON, ERIC W., US
[72] MANKAR, NIKHIL P., US
[72] RESCHKE, ARLEN J., US
[72] BHARADWAJ, JEETENDRA, US
[71] COVIDIEN LP, US
[22] 2017-05-02
[41] 2017-11-04
[30] US (15/146,329) 2016-05-04

---

[21] **2,965,970**
[13] A1
[51] **Int.Cl. B01D 35/02 (2006.01) B01D 35/16 (2006.01)**
[25] EN
[54] **FILTER UNDERDRAIN WITH INTERNAL AIR SCOUR LATERALS**
[54] **DRAIN DE SORTIE DE FILTRE DOTE D'ELEMENTS LATERAUX INTERNES DE LAVAGE A L'AIR**
[72] HAGGARD, GARY B., US
[72] KELLY, BRENDAN, US
[71] OVIVO INC., CA
[22] 2017-05-01
[41] 2017-11-04
[30] US (15/146,770) 2016-05-04

---

[21] **2,966,086**
[13] A1
[51] **Int.Cl. F21V 9/10 (2006.01) A42B 1/02 (2006.01) A42B 1/24 (2006.01) A42B 3/04 (2006.01) F21L 4/00 (2006.01) F21V 5/04 (2006.01) F21V 33/00 (2006.01) H05B 37/02 (2006.01) F21K 9/00 (2016.01)**
[25] EN
[54] **ILLUMINATED HEADWEAR FOR WATERSPORTS**
[54] **COIFFURE ILLUMINEE DESTINEE AUX SPORTS NAUTIQUES**
[72] DAVIS, SCOTT, US
[71] DAVIS, SCOTT, US
[22] 2017-05-03
[41] 2017-11-03
[30] US (15/145,128) 2016-05-03

---

[21] **2,966,094**
[13] A1
[51] **Int.Cl. F21V 23/04 (2006.01) F21L 4/00 (2006.01) H02J 7/00 (2006.01) H05B 37/02 (2006.01)**
[25] EN
[54] **BATTERY LIFE EXTENDER FOR PORTABLE LIGHTING**
[54] **DISPOSITIF PROLONGEANT LA DUREE UTILE D'UNE PILE DESTINE A UN APPAREIL D'ECLAIRAGE PORTATIF**
[72] LAW, MATTHEW G., US
[72] MEETHER, STUART L., US
[72] TREFZ, THOMAS G., US
[72] ELLIOTT, MARK, US
[72] BROCKEL, MICHAEL D., US
[72] GLAZIER, RICKY J., US
[72] CHEN, CHELOR, US
[72] ZHANG, YUHUA, US
[71] THE COLEMAN COMPANY, INC., US
[22] 2017-05-02
[41] 2017-11-02
[30] US (15/144,573) 2016-05-02

---

[21] **2,966,106**
[13] A1
[51] **Int.Cl. B21D 5/10 (2006.01) B21D 5/14 (2006.01)**
[25] EN
[54] **A ROLLER CAGE FOR A PROFILING LINE**
[54] **UNE CAGE A ROULEAUX DESTINEE A UNE CONDUITE PROFILEE**
[72] ANESI, ANDREA, IT
[71] FIVES OTO S.P.A., IT
[22] 2017-05-02
[41] 2017-11-03
[30] IT (102016000045257) 2016-05-03

---

[21] **2,966,109**
[13] A1
[51] **Int.Cl. F16L 35/00 (2006.01) F16L 31/00 (2006.01) F16L 37/00 (2006.01)**
[25] EN
[54] **QUICK CONNECT TUBING INSERTION REFERENCE MARKINGS**
[54] **MARQUAGES DE REFERENCE D'INSERTION DE TUBAGE A RACCORD RAPIDE**
[72] SCHUSTER, MICHAEL J., US
[71] DANCO, INC., US
[22] 2017-05-03
[41] 2017-11-03
[30] US (62/331,136) 2016-05-03

[21] **2,966,111**
[13] A1
[51] **Int.Cl. B01J 19/18 (2006.01) B01F 7/06 (2006.01)**
[25] EN
[54] **REACTOR AND MULTIFUNCTIONAL RISER AND DOWNER SIMULATOR INCORPORATING THE SAME**
[54] **REACTEUR ET COLONNE MONTANTE MULTIFONCTIONNELLE ET SIMULATEUR DE COLONNE DESCENDANTE LES INCORPORANT**
[72] DE LASA, HUGO, CA
[71] THE UNIVERSITY OF WESTERN ONTARIO, CA
[22] 2017-05-03
[41] 2017-11-03
[30] US (62/331007) 2016-05-03

---

[21] **2,966,153**
[13] A1
[51] **Int.Cl. E21B 23/00 (2006.01)**
[25] EN
[54] **APPARATUSES AND METHODS FOR LOCATING AND SHIFTING A DOWNHOLE FLOW CONTROL MEMBER**
[54] **APPAREILS ET METHODES DE LOCALISATION ET DECALAGE D'UN ELEMENT DE CONTROLE D'ECOULEMENT DE FOND DE TROU**
[72] JOHNSON, TIM, CA
[72] WERRIES, MICHAEL, CA
[71] NCS MULTISTAGE INC., CA
[22] 2017-05-04
[41] 2017-11-04
[30] US (62/331,706) 2016-05-04

---

[21] **2,966,219**
[13] A1
[51] **Int.Cl. B29C 43/56 (2006.01) C08J 3/20 (2006.01) C08J 9/228 (2006.01) C08K 3/00 (2006.01) C08L 75/04 (2006.01)**
[25] EN
[54] **PROCESS TO MANUFACTURE ULTRA HIGH FILLED URETHANE FOAM**
[54] **PROCEDE DE FABRICATION DE MOUSSE D'URETHANE HAUTE DENSITE**
[72] KOZLOWSKI, ERIC, US
[71] MAGNA SEATING INC., CA
[22] 2017-05-04
[41] 2017-11-04
[30] US (62/331,518) 2016-05-04

---

[21] **2,966,233**
[13] A1
[51] **Int.Cl. B65D 1/36 (2006.01) B65D 19/32 (2006.01) B65D 21/032 (2006.01)**
[25] EN
[54] **DAIRY TRAY SYSTEM**
[54] **SYSTEME DE PLATEAU DE LAITERIE**
[72] GUERRY, BRIAN ROBERT, US
[72] OGAWA-GARCIA, SYDNEY MARIE, US
[72] CLARK, SUZANNE WHITFIELD, US
[71] REHRIG PACIFIC COMPANY, US
[22] 2017-05-04
[41] 2017-11-04
[30] US (62/331,957) 2016-05-04

---

[21] **2,966,425**
[13] A1
[51] **Int.Cl. C12N 15/115 (2010.01) C07H 21/04 (2006.01) C12N 9/64 (2006.01) C12Q 1/68 (2006.01)**
[25] EN
[54] **FACTOR XIA-SPECIFIC APTAMERS**
[54] **APTAMERES SPECIFIQUES AU FACTEUR XIA**
[72] SHEFFIELD, WILLIAM PETER, CA
[72] DONKOR, DAVID APRAKU, CA
[71] CANADIAN BLOOD SERVICES, CA
[22] 2017-05-04
[41] 2017-11-04
[30] US (62/331,626) 2016-05-04

---

[21] **2,967,707**
[13] A1
[51] **Int.Cl. H05F 7/00 (2006.01) H02N 11/00 (2006.01) H02J 50/00 (2016.01)**
[25] EN
[54] **A SYSTEM AND METHOD OF COLLECTING ENERGY UTILIZING A MANAGEMENT SYSTEM FOR AN ENERGY COLLECTION DEVICE, FOR COLLECTING, MANAGING, AND DISCHARGING ENERGY**
[54] **UN SYSTEME ET UNE METHODE DE COLLECTE D'ENERGIE EMPLOYANT UN SYSTEME DE GESTION DESTINE A UN APPAREIL DE COLLECTE D'ENERGIE, SERVANT A COLLECTER, GERER ET EVACUER L'ENERGIE**
[72] MILLER, MITCHELL B., CA
[71] MILLER, MITCHELL B., CA
[22] 2017-05-23
[41] 2017-11-03

---

[21] **2,971,322**
[13] A1
[51] **Int.Cl. E21B 29/08 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CUTTING A TUBULAR**
[54] **APPAREIL ET METHODE DE COUPE D'UNE TUBULURE**
[72] NESTER, TRAVIS, CA
[72] LELEK, SHAWN, CA
[71] REMUDA ENERGY SOLUTIONS LTD., CA
[22] 2017-06-19
[41] 2017-11-02

[21] **2,975,115**
[13] A1
[51] **Int.Cl. A61K 38/48 (2006.01) A61K 31/045 (2006.01) A61K 31/22 (2006.01) A61K 31/7016 (2006.01) A61K 31/702 (2006.01) A61K 35/20 (2006.01) A61K 38/17 (2006.01) A61P 17/00 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHOD FOR TREATING SKIN CONDITIONS**
[54] **COMPOSITION ET METHODE DE TRAITEMENT DES MALADIES DE LA PEAU**
[72] OBAGI, ZEIN E., US
[72] WOODIN, FREDERICK W., JR., US
[71] ZO SKIN HEALTH, INC., US
[22] 2017-07-31
[41] 2017-10-31
[30] US (15/226,349) 2016-08-02

---

[21] **2,975,770**
[13] A1
[51] **Int.Cl. E03F 5/10 (2006.01) E02D 29/00 (2006.01)**
[25] EN
[54] **STORMWATER CHAMBER WITH STACKABLE REINFORCING RIBS**
[54] **CHAMBRE D'EAU DE RUISSELLEMENT A RAINURES DE RENFORT EMPILABLES**
[72] DITULLIO, ROBERT J., US
[71] DITULLIO, ROBERT J., US
[22] 2017-08-08
[41] 2017-11-02
[30] US (15/231,222) 2016-08-08

---

[21] **2,978,157**
[13] A1
[51] **Int.Cl. E21B 43/241 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **THERMAL RECOVERY METHODS FOR RECOVERING VISCOUS HYDROCARBONS FROM A SUBTERRANEAN FORMATION**
[54] **METHODES DE RECUPERATION THERMIQUE SERVANT A RECUPERER DES HYDROCARBURES VISQUEUX D'UNE FORMATION SOUTERRAINE**
[72] DORAISWAMY, SRIRAM, US
[72] KHALEDI, RAHMAN, CA
[72] KAMINSKY, ROBERT D., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[22] 2017-08-31
[41] 2017-11-03

PCT Applications Entering the National Phase

Demandes PCT entrant en phase nationale

[21] **2,956,230**
[13] A1
[51] **Int.Cl. G01N 35/00 (2006.01) G01N 21/65 (2006.01) G01N 21/84 (2006.01) G01N 33/483 (2006.01) G01N 35/04 (2006.01) G01B 21/20 (2006.01)**
[25] EN
[54] **MULTI-MODAL OPTICAL IMAGING SYSTEM FOR TISSUE ANALYSIS**
[54] **SYSTEME D'IMAGERIE OPTIQUE MULTIMODAL DESTINE A L'ANALYSE DES TISSUS**
[72] FRANJIC, KRESIMIR, CA
[72] MAK, SIU WAI JACKY, CA
[72] HYNNA, KAI MICHAEL, CA
[72] WOOD, MICHAEL FRANK GUNTER, CA
[72] KUCHNIO, PIOTR, CA
[72] BISMILLA, YUSUF, CA
[72] HOLMES, LACHLAN NOEL, CA
[72] BRIGHT, STEWART, CA
[72] CHEUNG, AARON YU LAI, CA
[72] KUZYK, YURI ALEXANDER, CA
[72] TAUB, ARYEH BENJAMIN, CA
[72] REZAEI, SANAZ, CA
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[85] 2017-01-26
[86] 2016-04-29 (PCT/CA2016/050502)
[87] (2956230)

---

[21] **2,961,465**
[13] A1
[51] **Int.Cl. A61K 31/704 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **ANTI-DIABETIC EFFECTS OF GYPENOSIDE 75**
[54] **EFFETS ANTI DIABETIQUE DU GYPENOSIDE 75**
[72] KIM, SUN CHANG, KR
[72] PARK, CHAN BAE, KR
[72] LEE, SOON JANG, KR
[71] INTELLIGENT SYNTHETIC BIOLOGY CENTER, KR
[85] 2017-03-20
[86] 2016-05-04 (PCT/KR2016/004720)
[87] (2961465)

---

[21] **2,964,304**
[13] A1
[51] **Int.Cl. G01N 27/62 (2006.01)**
[25] EN
[54] **ION MOBILITY SPECTROMETER WITH ION MODIFICATION**
[54] **SPECTROMETRE DE MOBILITE IONIQUE AVEC MODIFICATION IONIQUE**
[72] ATKINSON, JONATHAN, GB
[72] CLARK, ALASTAIR, GB
[71] SMITHS DETECTION - WATFORD LIMITED, GB
[85] 2017-04-11
[86] 2015-10-14 (PCT/GB2015/053033)
[87] (WO2016/059407)
[30] GB (1418182.0) 2014-10-14

---

[21] **2,964,957**
[13] A1
[51] **Int.Cl. C07D 207/06 (2006.01) C07C 231/12 (2006.01) C07C 237/26 (2006.01) C07C 245/20 (2006.01)**
[25] EN
[54] **SEMI-SYNTHESIS PROCEDURES**
[54] **PROCEDURES DE SEMI-SYNTHESE**
[72] ZHANG, WU-YAN, US
[72] LAFRANCE, DANNY, US
[72] RONN, MAGNUS P., US
[71] TETRAPHASE PHARMACEUTICALS, INC., US
[85] 2017-04-18
[86] 2015-10-23 (PCT/US2015/057167)
[87] (WO2016/065290)
[30] US (62/067,697) 2014-10-23

---

[21] **2,964,963**
[13] A1
[51] **Int.Cl. C09B 23/08 (2006.01) A61K 31/404 (2006.01) A61K 49/00 (2006.01)**
[25] EN
[54] **IR DYES FOR FLUORESCENCE IMAGING**
[54] **COLORANTS IR POUR L'IMAGERIE EN FLUORESCENCE**
[72] DRANEY, DANIEL R., US
[72] VOLCHECK, WILLIAM M., US
[72] SCHAEPE, KATIE, US
[72] ELITZIN, VASSIL, US
[72] KOVAR, JOY, US
[71] LI-COR, INC., US
[85] 2017-04-18
[86] 2015-11-23 (PCT/US2015/062212)
[87] (WO2016/085884)
[30] US (62/084,971) 2014-11-26

---

[21] **2,964,964**
[13] A1
[51] **Int.Cl. C10G 33/04 (2006.01) C08G 8/28 (2006.01)**
[25] EN
[54] **PROCESS FOR STABILIZING PHENOLIC RESINS CONTAINING CALIXARENES**
[54] **PROCEDE DE STABILISATION DE RESINES PHENOLIQUES CONTENANT DES CALIXARENES**
[72] AUBE, TODD, US
[72] BARBIERO, GENNARO, US
[72] BITTIG, RICKY, US
[72] BAXTER, JAMES M., JR., US
[71] SI GROUP, INC., US
[85] 2017-04-18
[86] 2015-10-21 (PCT/US2015/056735)
[87] (WO2016/065050)
[30] US (62/066,471) 2014-10-21

[21] **2,965,095**
[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01)**
[25] EN
[54] **METHODS FOR PREDICTING CLINICAL OUTCOMES IN SUBJECTS AFFLICTED WITH ULCERATIVE COLITIS**
[54] **METHODES DE PREDICTION DE RESULTATS CLINIQUES CHEZ DES SUJETS ATTEINTS D'UNE COLITE ULCEREUSE**
[72] SINGH, SHARAT, US
[72] JAIN, ANJALI, US
[71] NESTEC S.A., CH
[85] 2017-04-19
[86] 2015-10-20 (PCT/IB2015/058087)
[87] (WO2016/063223)
[30] US (62/066,209) 2014-10-20
[30] US (62/086,512) 2014-12-02
[30] US (62/160,551) 2015-05-12

---

[21] **2,965,096**
[13] A1
[51] **Int.Cl. A61K 33/26 (2006.01) A61K 31/351 (2006.01) A61P 3/12 (2006.01)**
[25] EN
[54] **DOSAGE REGIMENT OF FERRIC MALTOL**
[54] **SCHEMA POSOLOGIQUE DE MALTOL FERRIQUE**
[72] MALLARD, NICHOLAS, GB
[72] STERRITT, CARL ANDREW, GB
[72] HOWELL, JULIAN DAVID, GB
[71] IRON THERAPEUTICS HOLDINGS AG, CH
[85] 2017-04-19
[86] 2015-10-21 (PCT/IB2015/058115)
[87] (WO2016/063228)
[30] GB (1418710.8) 2014-10-21

---

[21] **2,965,165**
[13] A1
[51] **Int.Cl. G01N 33/483 (2006.01) G01N 33/52 (2006.01)**
[25] EN
[54] **LIPOPROTEIN PARTICLE NUMBER FROM MEASUREMENTS OF LIPOPROTEIN PARTICLE PHOSPHOLIPID CONCENTRATION IN LIPOPROTEIN PARTICLE MEMBRANE BILAYER**
[54] **NOMBRE DE PARTICULES DE LIPOPROTEINES A PARTIR DE MESURE DE CONCENTRATION DE PHOSPHOLIPIDE DE PARTICULE DE LIPOPROTEINE DANS UNE BICOUCHE DE MEMBRANE DE PARTICULE DE LIPOPROTEINE**
[72] GUADAGNO, PHILIP, US
[72] BELLIN, ERIN GRACE SUMMERS, US
[72] HARRIS, WILLIAM S., US
[72] DEVANUR, DEEPIKA, US
[72] HASSARD, STUART, US
[71] TRUE HEALTH IP LLC, US
[85] 2017-04-19
[86] 2015-10-21 (PCT/US2015/056689)
[87] (WO2016/065021)
[30] US (62/066,593) 2014-10-21
[30] US (62/147,670) 2015-04-15

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[21] **2,965,169**
[13] A1
[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF 5-CHLORO-N4-[-2-(DIMETHYLPHOSPHORYL)PHENYL]-N2-{2-METHOXY-4-[4-(4-METHYLPIPERAZIN-1-YL)PIPERIDIN-1-YL]PYRIMIDINE-2,4-DIAMINE**
[54] **FORMES CRISTALLINES DE 5-CHLORO-N4-[-2-(DIMETHYLPHOSPHORYL)PHENYL]-N2 -{2-METHOXY-4-[4-(4-METHYLPIPERAZIN-1-YL) PIPERIDIN-1-YL] PYRIMIDINE-2,4-DIAMINE**
[72] ROZAMUS, LEONARD W., US
[72] SHARMA, PRADEEP, US
[71] ARIAD PHARMACEUTICALS, INC., US
[85] 2017-04-19
[86] 2015-10-21 (PCT/US2015/056701)
[87] (WO2016/065028)
[30] US (62/066,849) 2014-10-21

---

[21] **2,965,172**
[13] A1
[51] **Int.Cl. G01N 33/483 (2006.01) G01N 33/92 (2006.01)**
[25] EN
[54] **QUANTITATIVE MOLAR CONCENTRATION DETECTION OF SPECIFIC APOLIPOPROTEIN-CONTAINING PARTICLES PRESENT IN BODILY FLUIDS BY USING CAPILLARY ELECTROPHORESIS**
[54] **DETECTION DE CONCENTRATION MOLAIRE QUANTITATIVE DE PARTICULES CONTENANT UNE APOLIPOPROTEINE SPECIFIQUE PRESENTES DANS DES FLUIDES CORPORELS A L'AIDE D'UNE ELECTROPHORESE CAPILLAIRE**
[72] GUADAGNO, PHILIP, US
[72] BELLIN, ERIN GRACE SUMMERS, US
[72] DEVANUR, DEEPIKA, US
[72] HASSARD, STUART, US
[71] TRUE HEALTH IP LLC, US
[85] 2017-04-19
[86] 2015-10-21 (PCT/US2015/056722)
[87] (WO2016/065041)
[30] US (62/066,573) 2014-10-21
[30] US (62/147,665) 2015-04-15

[21] 2,965,237
[13] A1
[51] **Int.Cl. A61K 9/48 (2006.01) A61K 9/20 (2006.01) A61K 31/09 (2006.01) A61K 31/192 (2006.01) A61K 31/485 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL CAPSULE CONTAINING AT LEAST TWO TABLETS**
[54] **CAPSULE PHARMACEUTIQUE CONTENANT AU MOINS DEUX COMPRIMES**
[72] AHLGREN, NILS WILLIAM, US
[72] CAVATUR, RAGHU, US
[72] CHEN, KEVIN, US
[72] KASER, MATTHEW JAMES, US
[72] QIU, HONGCHUN, US
[71] RECKITT BENCKISER LLC, US
[85] 2017-04-20
[86] 2015-10-21 (PCT/GB2015/053147)
[87] (WO2016/063055)
[30] US (62/066,536) 2014-10-21

[21] 2,965,256
[13] A1
[51] **Int.Cl. A61K 31/192 (2006.01) A61K 9/00 (2006.01) A61K 31/09 (2006.01) A61K 31/137 (2006.01)A61K 31/485 (2006.01) A61P 11/00 (2006.01) A61P 11/10 (2006.01) A61P 11/14 (2006.01)**
[25] EN
[54] **NOVEL PHARMACEUTICAL FORMULATION**
[54] **NOUVELLE FORMULATION PHARMACEUTIQUE**
[72] CAVATUR, RAGHU, US
[72] CHEN, KEVIN, US
[72] KASER, MATTHEW JAMES, US
[72] QIU, HONGCHUN, US
[71] RECKITT BENCKISERLLC, US
[85] 2017-04-20
[86] 2015-10-21 (PCT/GB2015/053151)
[87] (WO2016/063057)
[30] US (62/066,532) 2014-10-21
[30] GB (1506755.6) 2015-04-21

[21] 2,965,262
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 47/69 (2017.01) A61K 9/127 (2006.01) A61K 9/14 (2006.01) A61K 31/4709 (2006.01) A61K 31/506 (2006.01) A61K 47/10 (2017.01) A61K 47/34 (2017.01) A61P 35/00 (2006.01) C07D 401/04 (2006.01)**
[25] EN
[54] **SUBSTITUTED 2,4 DIAMINO-QUINOLINE AS NEW ANTICANCER AGENTS**
[54] **2,4-DIAMINO-QUINOLEINE SUBSTITUEE SERVANT DE NOUVEAUX AGENTS ANTICANCEREUX**
[72] BASSISSI, FIRAS, FR
[72] BERET, ANTOINE, FR
[72] BRUN, SONIA, FR
[72] COURCAMBECK, JEROME, FR
[72] DUBRAY, CLARISSE, FR
[72] NICOLAS, GREGORY, FR
[72] HALFON, PHILIPPE, FR
[71] GENOSCIENCE PHARMA, FR
[85] 2017-04-20
[86] 2015-10-26 (PCT/IB2015/002438)
[87] (WO2016/067112)
[30] US (62/073,325) 2014-10-31

[21] 2,965,347
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR BOOSTING THE EFFICACY OF ADOPTIVE CELLULAR IMMUNOTHERAPY**
[54] **COMPOSITIONS ET PROCEDES POUR INTENSIFIER L'EFFICACITE DE L'IMMUNOTHERAPIE CELLULAIRE ADOPTIVE**
[72] BERGER, SUSANNA CAROLINA, US
[72] RIDDELL, STANLEY R., US
[71] FRED HUTCHINSON CANCER RESEARCH CENTER, US
[85] 2017-04-20
[86] 2015-10-27 (PCT/US2015/057652)
[87] (WO2016/069647)
[30] US (62/069,168) 2014-10-27

[21] 2,966,288
[13] A1
[51] **Int.Cl. A61K 38/12 (2006.01) A61K 31/427 (2006.01) A61K 31/69 (2006.01) A61K 38/05 (2006.01) A61K 38/06 (2006.01) A61K 38/08 (2006.01) C07D 303/36 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY**
[54] **POLYTHERAPIE**
[72] MARCH, JOHN BERNARD, GB
[72] CLARK, EWAN MCINTOSH, GB
[71] BIG DNA LTD, GB
[85] 2017-04-28
[86] 2015-10-27 (PCT/GB2015/053215)
[87] (WO2016/067010)
[30] GB (1419311.4) 2014-10-30
[30] GB (1500681.0) 2015-01-15
[30] GB (1506673.1) 2015-04-20

[21] 2,966,314
[13] A1
[51] **Int.Cl. A61K 35/20 (2006.01) A23C 9/00 (2006.01) A61K 38/17 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **PROLINE-RICH POLYPEPTIDE COMPLEX FOR USE IN TREATMENT OF BDNF-DEPENDENT DISORDERS**
[54] **COMPLEXE POLYPEPTIDE RICHE EN PROLINE DESTINE A ETRE UTILISE DANS LE TRAITEMENT DE TROUBLES LIES AU BDNF**
[72] DOBRZYNSKI, WLODZIMIERZ PIOTR, PL
[72] BEDNAREK, MAGDALENA ANNA, PL
[71] GEO-POLAND SP. Z.O.O., PL
[85] 2017-04-28
[86] 2015-11-02 (PCT/PL2015/000180)
[87] (WO2016/072871)
[30] PL (P.410058) 2014-11-04

[21] **2,966,334**
[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) A61K 31/437 (2006.01) A61K 31/44 (2006.01) A61P 35/00 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **APILIMOD FOR USE IN THE TREATMENT OF COLORECTAL CANCER**
[54] **APILIMOD POUR UNE UTILISATION DANS LE TRAITEMENT DU CANCER COLORECTAL**
[72] BEEHARRY, NEIL, US
[72] GAYLE, SOPHIA, US
[72] LANDRETTE, SEAN, US
[72] BECKETT, PAUL, US
[72] CONRAD, CHRIS, US
[72] XU, TIAN, US
[72] HERNANDEZ, MARYLENS, US
[72] ROTHBERG, JONATHAN M., US
[72] LICHENSTEIN, HENRI, US
[71] LAM THERAPEUTICS, INC., US
[85] 2017-04-28
[86] 2015-11-06 (PCT/US2015/059526)
[87] (WO2016/073884)
[30] US (62/077,127) 2014-11-07
[30] US (62/115,228) 2015-02-12
[30] US (62/119,540) 2015-02-23

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[21] **2,966,356**
[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **APILIMOD FOR USE IN THE TREATMENT OF MELANOMA**
[54] **APILIMOD DESTINE A ETRE UTILISE DANS LE TRAITEMENT DU MELANOME**
[72] BEEHARRY, NEIL, US
[72] GAYLE, SOPHIA, US
[72] LANDRETTE, SEAN, US
[72] BECKETT, PAUL, US
[72] CONRAD, CHRIS, US
[72] XU, TIAN, US
[72] ROTHBERG, JONATHAN M., US
[72] LICHENSTEIN, HENRI, US
[71] LAM THERAPEUTICS, INC., US
[85] 2017-04-28
[86] 2015-11-06 (PCT/US2015/059502)
[87] (WO2016/073871)
[30] US (62/077,127) 2014-11-07
[30] US (62/115,228) 2015-02-12
[30] US (62/119,540) 2015-02-23

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[21] **2,966,359**
[13] A1
[51] **Int.Cl. A61K 31/506 (2006.01) A61K 31/44 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **APILIMOD FOR USE IN THE TREATMENT OF RENAL CANCER**
[54] **APILIMOD POUR UNE UTILISATION DANS LE TRAITEMENT DU CANCER DES REINS**
[72] BEEHARRY, NEIL, US
[72] GAYLE, SOPHIA, US
[72] LANDRETTE, SEAN, US
[72] BECKETT, PAUL, US
[72] CONRAD, CHRIS, US
[72] XU, TIAN, US
[72] ROTHBERG, JONATHAN M., US
[72] LICHENSTEIN, HENRI, US
[71] LAM THERAPEUTICS, INC., US
[85] 2017-04-28
[86] 2015-11-06 (PCT/US2015/059512)
[87] (WO2016/073877)
[30] US (62/077,127) 2014-11-07

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[21] **2,966,362**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTI-CD79B ANTIBODIES AND METHODS OF USE**
[54] **ANTICORPS ANTI-CD79B ET METHODES D'UTILISATION DESDITS ANTICORPS**
[72] SUN, LIPING L., US
[72] CHEN, YVONNE MAN-YEE, US
[72] DENNIS, MARK S., US
[72] EBENS, ALLEN J., JR., US
[72] POLSON, ANDREW, US
[71] GENENTECH, INC., US
[85] 2017-04-28
[86] 2015-12-04 (PCT/US2015/063902)
[87] (WO2016/090210)
[30] US (62/088,487) 2014-12-05

---

[21] **2,966,363**
[13] A1
[51] **Int.Cl. A61K 35/74 (2015.01) A61P 25/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS COMPRISING BACTERIA FOR IMPROVING BEHAVIOR IN NEURODEVELOPMENTAL DISORDERS**
[54] **COMPOSITIONS ET PROCEDES COMPRENANT DES BACTERIES POUR AMELIORER LE COMPORTEMENT DANS LES TROUBLES NEURODEVELOPPEMENTAUX**
[72] HSIAO, ELAINE, US
[72] MCBRIDE, SARA, US
[72] MAZMANIAN, SARKIS K., US
[72] PATTERSON, PAUL H. (DECEASED), US
[71] CALIFORNIA INSTITUTE OF TECHNOLOGY, US
[85] 2017-04-28
[86] 2015-10-28 (PCT/US2015/057897)
[87] (WO2016/069801)
[30] US (62/072,873) 2014-10-30

---

[21] **2,966,402**
[13] A1
[51] **Int.Cl. C10G 47/20 (2006.01) B01J 29/10 (2006.01) B01J 29/16 (2006.01) B01J 35/10 (2006.01) C01B 39/24 (2006.01) B01J 35/02 (2006.01) B01J 37/20 (2006.01)**
[25] EN
[54] **MIDDLE DISTILLATE HYDROCRACKING CATALYST CONTAINING HIGHLY A STABILIZED Y ZEOLITE WITH ENHANCED ACID SITE DISTRIBUTION**
[54] **CATALYSEUR D'HYDROCRAQUAGE DE DISTILLAT MOYEN CONTENANT UNE ZEOLITE Y HAUTEMENT STABILISEE AYANT UNE DISTRIBUTION AMELIOREE DES SITES ACIDE**
[72] ZHANG, YIHUA, US
[72] MAESEN, THEODORUS LUDOVICUS MICHAEL, US
[72] LACHEEN, HOWARD STEVEN, US
[71] CHEVRON U.S.A. INC., US
[85] 2017-04-28
[86] 2015-07-28 (PCT/US2015/042355)
[87] (WO2016/069071)
[30] US (14/529,794) 2014-10-31

[21] **2,966,404**
[13] A1
[51] **Int.Cl. C10G 47/20 (2006.01) B01J 29/14 (2006.01) B01J 35/10 (2006.01)**
[25] EN
[54] **MIDDLE DISTILLATE HYDROCRACKING CATALYST CONTAINING HIGHLY NANOPOROUS STABILIZED Y ZEOLITE**
[54] **CATALYSEUR D'HYDROCRAQUAGE DE DISTILLAT MOYEN CONTENANT UNE ZEOLITE NANOPOREUSE STABILISEE DE TYPE Y A HAUT VOLUME DE NANOPORES**
[72] ZHANG, YIHUA, US
[72] MAESEN, THEODORUS LUDOVICUS MICHAEL, US
[72] LACHEEN, HOWARD STEVEN, US
[71] CHEVRON U.S.A. INC., US
[85] 2017-04-28
[86] 2015-07-28 (PCT/US2015/042361)
[87] (WO2016/069073)
[30] US (14/529,768) 2014-10-31

[21] **2,966,422**
[13] A1
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/00 (2006.01) A61K 38/16 (2006.01) A61K 38/26 (2006.01) A61K 38/28 (2006.01) A61K 47/28 (2006.01) A61K 47/36 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR BILE ACID PARTICLES**
[54] **COMPOSITIONS ET PROCEDES POUR DES PARTICULES D'ACIDE BILIAIRE**
[72] BAE, YOU HAN, US
[72] LEE, YONG-KYU, KR
[72] NURUNNABI, MD, KR
[72] HWANG, HEE SOOK, US
[72] KWAG, DONGSUB, KR
[71] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US
[71] BAE, YOU HAN, US
[71] LEE, YONG-KYU, KR
[71] NURUNNABI, MD, KR
[71] HWANG, HEE SOOK, US
[71] KWAG, DONGSUB, KR
[85] 2017-04-28
[86] 2015-10-30 (PCT/US2015/058375)
[87] (WO2016/070082)
[30] US (62/073,588) 2014-10-31

[21] **2,966,424**
[13] A1
[51] **Int.Cl. A61L 27/20 (2006.01) A61F 2/00 (2006.01) A61K 8/73 (2006.01) A61L 27/18 (2006.01) A61L 27/50 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **METHOD FOR IMPROVING DURATION OF EFFECT OF DERMAL FILLER TREATMENT**
[54] **PROCEDE POUR AMELIORER LA DUREE D'EFFET DE TRAITEMENT DE COMBLEMENT DERMIQUE**
[72] MURPHY, DIANE K., US
[72] PARADKAR-MITRAGOTRI, DEEPALI, US
[71] ALLERGAN, INC., US
[85] 2017-04-28
[86] 2015-10-30 (PCT/US2015/058485)
[87] (WO2016/070132)
[30] US (62/073,786) 2014-10-31
[30] US (62/115,705) 2015-02-13

[21] **2,966,523**
[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **ASSAYS FOR DETECTING T CELL IMMUNE SUBSETS AND METHODS OF USE THEREOF**
[54] **TESTS DE DETECTION DE SOUS-ENSEMBLES IMMUNITAIRES DE CELLULES T ET LEURS PROCEDES D'UTILISATION**
[72] CHU, FELIX, US
[72] FOREMAN, ODED, US
[72] ZIAI, JAMES, US
[71] GENENTECH, INC., US
[85] 2017-05-01
[86] 2015-11-02 (PCT/US2015/058674)
[87] (WO2016/073378)
[30] US (62/074,594) 2014-11-03

[21] **2,966,592**
[13] A1
[51] **Int.Cl. A61K 47/36 (2006.01) A61K 9/00 (2006.01) A61K 38/13 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **OCULAR DELIVERY OF DRUGS**
[54] **ADMINISTRATION OCULAIRE DE MEDICAMENTS**
[72] UCHEGBU, IJEOMA, GB
[72] SCHATZLEIN, ANDREAS, GB
[72] CAPRETTO, LORENZO, GB
[71] NANOMERICS LTD, GB
[85] 2017-05-02
[86] 2015-11-02 (PCT/GB2015/053291)
[87] (WO2016/071677)
[30] GB (1419540.8) 2014-11-03

[21] **2,966,629**
[13] A1
[51] **Int.Cl. B01J 37/00 (2006.01) B01J 23/883 (2006.01) B01J 27/051 (2006.01) B01J 27/19 (2006.01) B01J 35/10 (2006.01) B01J 37/02 (2006.01) B01J 37/04 (2006.01) B01J 37/08 (2006.01) B01J 37/20 (2006.01) B01J 37/28 (2006.01) C10G 45/08 (2006.01)**
[25] EN
[54] **A SELF-ACTIVATING HYDROPROCESSING CATALYST HAVING ENHANCED ACTIVITY AND SELF-ACTIVATION CHARACTERISTICS AND ITS USE FOR TREATING RESID FEEDSTOCKS**
[54] **CATALYSEUR D'HYDROTRAITEMENT A AUTO-ACTIVATION PRESENTANT UNE ACTIVITE ACCRUE ET DES CARACTERISTIQUES D'AUTO-ACTIVATION, ET SON UTILISATION POUR LE TRAITEMENT DE CHARGES D'ALIMENTATION DE RESIDUS**
[72] BHAN, OPINDER KISHAN, US
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2017-05-02
[86] 2015-11-04 (PCT/US2015/058964)
[87] (WO2016/073560)
[30] US (62/075,963) 2014-11-06

[21] **2,966,632**
[13] A1
[51] **Int.Cl. A61K 31/439 (2006.01) A61K 31/43 (2006.01) A61P 31/04 (2006.01) C07D 471/08 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY FOR TREATMENT OF RESISTANT BACTERIAL INFECTIONS**
[54] **POLYTHERAPIE POUR LE TRAITEMENT D'INFECTIONS BACTERIENNES RESISTANTES**
[72] DEJONGE, BOUDEWIJN LODEWIJK MARIA, US
[72] DURAND-REVILLE, THOMAS FRANCOIS, US
[72] VERHEIJEN, JEROEN CUNERA, US
[72] TOMMASI, RUBEN, US
[72] MUELLER, JOHN, US
[71] ENTASIS THERAPEUTICS LIMITED, GB
[85] 2017-05-02
[86] 2015-11-17 (PCT/US2015/061076)
[87] (WO2016/081452)
[30] US (62/080,667) 2014-11-17

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[21] **2,966,637**
[13] A1
[51] **Int.Cl. A61K 9/72 (2006.01) A61K 9/00 (2006.01) A61K 9/14 (2006.01) A61K 31/436 (2006.01)**
[25] EN
[54] **RAPAMYCIN POWDERS FOR PULMONARY DELIVERY**
[54] **POUDRES DE RAPAMYCINE POUR ADMINISTRATION PULMONAIRE**
[72] LIPP, MICHAEL M., US
[72] KAMERKAR, ABHIJIT, US
[71] CIVITAS THERAPEUTICS, INC., US
[85] 2017-05-02
[86] 2015-11-06 (PCT/US2015/059429)
[87] (WO2016/073836)
[30] US (62/076,651) 2014-11-07

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[21] **2,966,646**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 9/00 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING OCULAR DISEASES**
[54] **METHODES DE TRAITEMENT DE MALADIES OCULAIRES**
[72] SALLSTIG, PETER, US
[72] SCHMIDT, WERNER, US
[72] GEKKIEVA, MARGARITA, CH
[72] WARBURTON, JAMES, CH
[72] WEICHSELBERGER, ANDREAS, CH
[71] NOVARTIS AG, CH
[85] 2017-05-02
[86] 2015-11-06 (PCT/US2015/059575)
[87] (WO2016/073918)
[30] US (62/076,770) 2014-11-07
[30] US (62/088,061) 2014-12-05

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[21] **2,966,742**
[13] A1
[51] **Int.Cl. C07D 495/04 (2006.01) A61K 31/381 (2006.01) A61K 31/4436 (2006.01) A61K 31/5383 (2006.01) A61P 35/00 (2006.01) C07D 495/14 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **HETEROCYCLIC DERIVATIVES AND USE THEREOF**
[54] **DERIVES HETEROCYCLIQUES ET LEUR UTILISATION**
[72] PARK, CHAN HEE, KR
[72] LEE, SANG HWI, KR
[72] IM, JUNHWAN, KR
[72] LEE, SOON OK, KR
[72] KIM, JUNGSOOK, KR
[72] PARK, HEON KYU, KR
[72] YUN, JEE HUN, KR
[72] KO, KWANG SEOK, KR
[72] KIM, HYE JUNG, KR
[72] KIM, BYUNGHO, KR
[72] KIM, MI SUN, KR
[72] KONG, MINJUNG, KR
[72] MOON, HYUNG JO, KR
[71] C&C RESEARCH LABORATORIES, KR
[85] 2017-05-03
[86] 2015-11-30 (PCT/KR2015/012926)
[87] (WO2016/089062)
[30] KR (10-2014-0170860) 2014-12-02
[30] KR (10-2015-0128025) 2015-09-10

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[21] **2,966,758**
[13] A1
[51] **Int.Cl. A61K 47/26 (2006.01) A61K 9/08 (2006.01) A61K 39/395 (2006.01) A61K 47/12 (2006.01) A61K 47/14 (2017.01) A61P 27/02 (2006.01) A61K 9/19 (2006.01)**
[25] EN
[54] **STABLE PROTEIN SOLUTION FORMULATION CONTAINING HIGH CONCENTRATION OF AN ANTI-VEGF ANTIBODY**
[54] **FORMULATION DE SOLUTION DE PROTEINES STABLE CONTENANT UNE FORTE CONCENTRATION D'UN ANTICORPS ANTI-VEGF**
[72] ZHANG, HUIXIANG, US
[72] BORING, CHARLES, US
[72] KULSHRESHTHA, ALOK, US
[72] ZENG, YUHONG, US
[72] WAN, LI, US
[72] ALANI, LAMAN, US
[71] NOVARTIS AG, CH
[85] 2017-05-03
[86] 2015-11-06 (PCT/US2015/059571)
[87] (WO2016/073915)
[30] US (62/076,770) 2014-11-07
[30] US (62/088,061) 2014-12-05

[21] **2,966,759**
[13] A1
[51] **Int.Cl. C07D 333/52 (2006.01) A61K 31/381 (2006.01) A61K 31/4155 (2006.01) A61K 31/4365 (2006.01) A61K 31/4436 (2006.01) A61K 31/4439 (2006.01) A61P 35/00 (2006.01) C07D 209/04 (2006.01) C07D 409/12 (2006.01) C07D 409/14 (2006.01) C07D 495/04 (2006.01)**
[25] EN
[54] **HETEROCYCLIC DERIVATIVES AND USE THEREOF**
[54] **DERIVES HETEROCYCLIQUES ET LEUR UTILISATION**
[72] PARK, CHAN HEE, KR
[72] LEE, SANG HWI, KR
[72] IM, JUNHWAN, KR
[72] LEE, SOON OK, KR
[72] KIM, JONGMIN, KR
[72] KO, KWANG SEOK, KR
[72] KIM, BYUNGHO, KR
[72] KONG, MINJUNG, KR
[72] KIM, MI SUN, KR
[72] MOON, HYUNG JO, KR
[71] C&C RESEARCH LABORATORIES, KR
[85] 2017-05-03
[86] 2015-11-30 (PCT/KR2015/012920)
[87] (WO2016/089060)
[30] KR (10-2014-0170860) 2014-12-02

[21] **2,966,772**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2006.01) C12N 15/113 (2010.01) G01N 33/50 (2006.01)**
[25] EN
[54] **MIR-214 AS A DIAGNOSTIC AND PROGNOSTIC BIOMARKER SPECIFIC FOR ULCERATIVE COLITIS AND A MIR-214 INHIBITOR FOR TREATMENT OF SAME**
[54] **MIR-214 COMME BIOMARQUEUR DE DIAGNOSTIC ET DE PRONOSTIC SPECIFIQUE A LA RECTOCOLITE HEMORRAGIQUE ET INHIBITEUR DE MIR-214 POUR SON TRAITEMENT**
[72] ILIOPOULOS, DIMITRIOS, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2017-05-03
[86] 2015-11-10 (PCT/US2015/059956)
[87] (WO2016/077347)
[30] US (62/077,480) 2014-11-10

[21] **2,966,843**
[13] A1
[51] **Int.Cl. A61K 9/12 (2006.01) A61K 31/192 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61K 47/14 (2017.01) A61P 29/00 (2006.01)**
[25] EN
[54] **SPRAYABLE ANALGESIC COMPOSITIONS**
[54] **COMPOSITIONS ANALGESIQUES PULVERISABLES**
[72] BUYUKTIMKIN, SERVET, US
[72] BUYUKTIMKIN, NADIR, US
[72] YEAGER, JAMES L., US
[71] ACHELIOS THERAPEUTICS, INC., US
[85] 2017-05-04
[86] 2015-11-04 (PCT/US2015/058927)
[87] (WO2016/077111)
[30] US (62/077,581) 2014-11-10

[21] **2,966,879**
[13] A1
[51] **Int.Cl. A61K 31/145 (2006.01) A61P 25/14 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **METHODS OF TREATING HUNTINGTON'S DISEASE USING CYSTEAMINE COMPOSITIONS**
[54] **METHODES DE TRAITEMENT DE LA MALADIE DE HUNTINGTON AU MOYEN DE COMPOSITIONS DE CYSTEAMINE**
[72] RIOUX, PATRICE, US
[71] HORIZON ORPHAN LLC, US
[85] 2017-05-04
[86] 2015-11-05 (PCT/US2015/059239)
[87] (WO2016/073716)
[30] US (62/075,536) 2014-11-05

[21] **2,966,887**
[13] A1
[51] **Int.Cl. C10G 45/50 (2006.01) C10G 65/08 (2006.01)**
[25] EN
[54] **HYDROPROCESSING FOR DISTILLATE PRODUCTION**
[54] **HYDROTRAITEMENT POUR LA PRODUCTION D'UN DISTILLAT**
[72] XU, XIAOCHUN, US
[72] WILSON, KEITH, GB
[72] SOLED, STUART LEON, US
[72] MISEO, SABATO, US
[72] LEVIN, DORON, US
[72] BAUMGARTNER, JOSEPH ERNEST, US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2017-05-04
[86] 2015-11-10 (PCT/US2015/059816)
[87] (WO2016/081218)
[30] US (62/082,273) 2014-11-20
[30] US (62/152,092) 2015-04-24
[30] US (62/152,083) 2015-04-24
[30] US (14/932,232) 2015-11-04
[30] US (14/932,268) 2015-11-04
[30] US (14/932,335) 2015-11-04

[21] **2,966,932**
[13] A1
[51] **Int.Cl. A61K 47/54 (2017.01) A61K 47/68 (2017.01)**
[25] EN
[54] **PROCESS FOR PREPARING CELL-BINDING AGENT-CYTOTOXIC AGENT CONJUGATES**
[54] **PROCEDE DE PREPARATION DE CONJUGUES AGENT DE LIAISON CELLULAIRE-AGENT CYTOTOXIQUE**
[72] HUTCHINS, BENJAMIN M., US
[71] IMMUNOGEN, INC., US
[85] 2017-05-04
[86] 2015-11-18 (PCT/US2015/061310)
[87] (WO2016/081584)
[30] US (62/081,914) 2014-11-19

[21] **2,967,047**
[13] A1
[51] **Int.Cl. C08G 77/54 (2006.01) C01B 37/00 (2006.01) C10G 25/00 (2006.01)**
[25] EN
[54] **ORGANOSILICA MATERIALS AND USES THEREOF**
[54] **MATERIAUX ORGANOSILICIES ET LEURS UTILISATIONS**
[72] PODSIADLO, PAUL, US
[72] LI, QUANCHANG, US
[72] CALABRO, DAVID CHARLES, US
[72] ZHANG, LEI, US
[72] BENITEZ, KIARA M., US
[72] GUPTA, HIMANSHU, US
[72] XU, XIAOCHUN, US
[72] WEIGEL, SCOTT J., US
[72] LACY, DARRYL DONALD, US
[72] KAUL, BAL, US
[72] GLEESON, JAMES WILLIAM, US
[72] LAI, WENYIH FRANK, US
[72] AFEWORKI, MOBAE, US
[72] WESTON, SIMON CHRISTOPHER, US
[72] GRIFFIN, DAVID A., US
[72] NINES, MEGHAN, US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2017-05-05
[86] 2015-12-11 (PCT/US2015/065208)
[87] (WO2016/094778)
[30] US (62/091,071) 2014-12-12
[30] US (62/091,077) 2014-12-12

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[21] **2,967,179**
[13] A1
[51] **Int.Cl. C07C 17/25 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF 1-CHLORO-2,2-DIFLUOROETHANE**
[54] **PROCEDE DE PREPARATION DE 1-CHLORO-2,2-DIFLUOROETHANE**
[72] WENDLINGER, LAURENT, FR
[71] ARKEMA FRANCE, FR
[85] 2017-05-10
[86] 2014-12-11 (PCT/IB2014/003048)
[87] (WO2016/092340)

---

[21] **2,967,184**
[13] A1
[51] **Int.Cl. A61K 47/54 (2017.01) C12N 15/113 (2010.01) A61K 9/00 (2006.01) A61K 47/34 (2017.01) A61P 31/14 (2006.01)**
[25] EN
[54] **COMBINATION LONG ACTING COMPOSITIONS AND METHODS FOR HEPATITIS C**
[54] **COMPOSITIONS COMBINEES A ACTION PROLONGEE ET METHODES POUR LUTTER CONTRE L'HEPATITE C**
[72] HONG, ZHI, US
[72] LEIVERS, MARTIN R., US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED, GB
[85] 2017-05-10
[86] 2015-10-30 (PCT/IB2015/058423)
[87] (WO2016/075584)
[30] US (62/077,647) 2014-11-10
[30] US (62/077,980) 2014-11-11

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[21] **2,967,185**
[13] A1
[51] **Int.Cl. A61K 47/54 (2017.01) C12N 15/113 (2010.01) A61K 9/00 (2006.01) A61K 31/69 (2006.01) A61K 47/34 (2017.01) A61P 31/14 (2006.01)**
[25] EN
[54] **LONG ACTING PHARMACEUTICAL COMPOSITIONS FOR HEPATITIS C**
[54] **COMPOSITIONS PHARMACEUTIQUES A ACTION PROLONGEE CONTRE L'HEPATITE C**
[72] HONG, ZHI, US
[72] LEIVERS, MARTIN R, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED, GB
[85] 2017-05-10
[86] 2015-10-30 (PCT/IB2015/058422)
[87] (WO2016/075583)
[30] US (62/077,647) 2014-11-10
[30] US (62/077,980) 2014-11-11
[30] US (62/092,499) 2014-12-16

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[21] **2,967,195**
[13] A1
[51] **Int.Cl. A61K 31/69 (2006.01) C12N 15/113 (2010.01) A61K 9/00 (2006.01) A61K 47/26 (2006.01) A61K 47/34 (2017.01) A61P 31/14 (2006.01)**
[25] EN
[54] **LONG ACTING PHARMACEUTICAL COMPOSITIONS FOR HEPATITIS C**
[54] **COMPOSITIONS PHARMACEUTIQUES A ACTION PROLONGEE POUR L'HEPATITE C**
[72] HONG, ZHI, US
[72] LEIVERS, MARTIN R., US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED, GB
[85] 2017-05-10
[86] 2015-10-30 (PCT/IB2015/058405)
[87] (WO2016/075582)
[30] US (62/077,647) 2014-11-10
[30] US (62/077,980) 2014-11-11
[30] US (62/092,499) 2014-12-16

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[21] **2,967,219**
[13] A1
[51] **Int.Cl. A61K 35/747 (2015.01) A61K 35/745 (2015.01) A23L 33/135 (2016.01) A23L 33/21 (2016.01) C12N 1/20 (2006.01)**
[25] EN
[54] **STRAINS OF LACTOBACILLUS OR BIFIDOBACTERIUM FOR MAINTAINING HOMEOSTASIS**
[54] **SOUCHES DE LACTOBACILLUS OU DE BIFIDOBACTERIUM POUR MAINTENIR L'HOMEOSTASIE**
[72] MOGNA, GIOVANNI, IT
[71] PROBIOTICAL S.P.A., IT
[85] 2017-05-10
[86] 2015-11-26 (PCT/IB2015/059146)
[87] (WO2016/084029)
[30] IT (MI2014A002035) 2014-11-26

[21] **2,967,248**
[13] A1
[51] **Int.Cl. C07D 473/18 (2006.01) A61K 31/522 (2006.01) A61P 35/00 (2006.01) A61P 37/08 (2006.01)**
[25] EN
[54] **ADENINE DERIVATIVES WHICH ARE USEFUL IN THE TREATMENT OF ALLERGIC DISEASES OR OTHER INFLAMMATORY CONDITIONS**
[54] **DERIVES D'ADENINE UTILES POUR TRAITER DES MALADIES ALLERGIQUES OU D'AUTRES PATHOLOGIES INFLAMMATOIRES**
[72] BAZIN-LEE, HELENE G., US
[72] LI, YUFENG, US
[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE
[85] 2017-05-10
[86] 2015-11-13 (PCT/IB2015/058774)
[87] (WO2016/075661)
[30] US (62/079,027) 2014-11-13

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[21] **2,967,268**
[13] A1
[51] **Int.Cl. A61K 31/454 (2006.01) A61P 17/00 (2006.01)**
[25] EN
[54] **3-(PIPERIDIN-4-YL)-ISOXAZOL-3(2H)-ONES FOR TREATMENT OF DERMATOLOGIC DISORDERS**
[54] **3-(PIPERIDIN-4-YL)-ISOXAZOL-3(2H)-ONES POUR LE TRAITEMENT DE TROUBLES DERMATOLOGIQUES**
[72] FEX, TOMAS, SE
[72] GUSTAFSSON, NILS DAVID, SE
[71] EMERITI PHARMA AB, SE
[85] 2017-05-10
[86] 2015-12-18 (PCT/SE2015/051369)
[87] (WO2016/099397)
[30] US (62/094,278) 2014-12-19

---

[21] **2,967,284**
[13] A1
[51] **Int.Cl. C08L 5/14 (2006.01) A23L 29/244 (2016.01) A23L 29/256 (2016.01) A23L 29/269 (2016.01) A23L 33/21 (2016.01) A61K 31/723 (2006.01) A61K 31/731 (2006.01) A61K 31/736 (2006.01) A61P 3/00 (2006.01) C08K 3/00 (2006.01) C08K 5/098 (2006.01) C08L 5/00 (2006.01)**
[25] EN
[54] **A DIETARY FIBRE COMPOSITION**
[54] **COMPOSITION DE FIBRES ALIMENTAIRES**
[72] LIM, YEE MAE, MY
[72] WONG, PUI EE, MY
[72] TAN, MIN PAU, MY
[71] INQPHARM GROUP SDN BHD, MY
[85] 2017-05-10
[86] 2015-11-26 (PCT/MY2015/000099)
[87] (WO2016/085322)
[30] MY (PI 2014703525) 2014-11-26

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[21] **2,967,368**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY COMPRISING OX40 BINDING AGONISTS AND PD-1 AXIS BINDING ANTAGONISTS**
[54] **POLYTHERAPIE COMPRENANT DES AGONISTES SE LIANT A OX40 ET DES ANTAGONISTES SE LIANT A L'AXE PD-1**
[72] CHEUNG, JEANNE, US
[72] HUSENI, MAHRUKH, US
[72] KIM, JEONG, US
[71] GENENTECH, INC., US
[85] 2017-05-10
[86] 2015-11-16 (PCT/US2015/060941)
[87] (WO2016/081384)
[30] US (62/080,991) 2014-11-17
[30] US (62/093,400) 2014-12-17

---

[21] **2,967,382**
[13] A1
[51] **Int.Cl. C12Q 1/527 (2006.01) C12Q 1/00 (2006.01) C12Q 1/25 (2006.01) C12Q 1/34 (2006.01) G01N 30/86 (2006.01) G01N 33/48 (2006.01) G01N 33/483 (2006.01) G01N 30/72 (2006.01)**
[25] EN
[54] **DETERMINATION OF GLYCOSAMINOGLYCAN LEVELS BY MASS SPECTROMETRY**
[54] **DETERMINATION DE NIVEAUX DE GLYCOSAMINOGLYCANE PAR SPECTROMETRIE DE MASSE**
[72] NAIMY, HICHAM, US
[72] QIU, YONGCHANG, US
[72] HASLETT, PATRICK ANTHONY JOHN, US
[72] BARBIER, ANN, US
[71] SHIRE HUMAN GENETIC THERAPIES, INC., US
[85] 2017-05-10
[86] 2015-11-13 (PCT/US2015/060714)
[87] (WO2016/077775)
[30] US (62/080,154) 2014-11-14

---

[21] **2,967,413**
[13] A1
[51] **Int.Cl. A61K 31/202 (2006.01) A61K 9/10 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **STABILIZED OMEGA-3 OPHTHALMIC COMPOSITIONS**
[54] **COMPOSITIONS OPHTALMIQUES A OMEGAS 3 STABILISEES**
[72] GORE, ANURADHA V., US
[72] GIYANANI, JAYA, US
[72] LIKITLERSUANG, SUKHON, US
[71] ALLERGAN, INC., US
[85] 2017-05-10
[86] 2015-11-23 (PCT/US2015/062213)
[87] (WO2016/085885)
[30] US (62/083,980) 2014-11-25

[21] **2,967,432**
[13] A1
[51] **Int.Cl. A01K 67/027 (2006.01) C12Q 1/00 (2006.01)**
[25] EN
[54] **ANIMAL MODEL FOR DRY EYE AND METHODS OF USE OF SUCH ANIMALS**
[54] **MODELE ANIMAL POUR L'OEIL SEC ET PROCEDES D'UTILISATION DE CES ANIMAUX**
[72] YUAN, MING, US
[72] HU, YING, US
[72] CAO, JINGTAI, US
[72] ROMANO, CARMELO, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2017-05-10
[86] 2015-12-01 (PCT/US2015/063084)
[87] (WO2016/089807)
[30] US (62/086,263) 2014-12-02

---

[21] **2,967,439**
[13] A1
[51] **Int.Cl. C07D 333/76 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF 4-PHENYLDIBENZOTHIOPHENE**
[54] **PROCEDE DE PREPARATION DE 4-PHENYLDIBENZOTHIOPHENE**
[72] WILLIAMS, ERIC L., US
[72] HOGLEN, DEAN K., US
[71] ALBEMARLE CORPORATION, US
[85] 2017-05-10
[86] 2015-12-01 (PCT/US2015/063237)
[87] (WO2016/094135)
[30] US (62/091,119) 2014-12-12

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[21] **2,967,468**
[13] A1
[51] **Int.Cl. C12N 15/864 (2006.01) A61K 48/00 (2006.01) C07K 14/47 (2006.01) C07K 14/705 (2006.01) C12N 15/12 (2006.01)**
[25] EN
[54] **GENE THERAPY FOR JUVENILE BATTEN DISEASE**
[54] **THERAPIE GENIQUE POUR LA MALADIE DE STEINERT JUVENILE**
[72] KIELIAN, TAMMY, US
[72] FOUST, KEVIN, US
[71] BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2017-05-10
[86] 2015-12-16 (PCT/US2015/066206)
[87] (WO2016/100575)
[30] US (62/092,501) 2014-12-16
[30] US (62/146,793) 2015-04-13

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[21] **2,967,602**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 11/02 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING CHRONIC SINUSITIS WITH NASAL POLYPS BY ADMINISTERING AN IL-4R ANTAGONIST**
[54] **METHODES DE TRAITEMENT DE LA SINUSITE CHRONIQUE AVEC POLYPOSE NASALE PAR ADMINISTRATION D'UN ANTAGONISTE D'IL-4R**
[72] MANNENT, LEDA, FR
[72] PIROZZI, GIANLUCA, US
[72] SWANSON, BRIAN N., US
[72] RADIN, ALLEN, US
[72] GANDHI, NAMITA A., US
[72] EVANS, ROBERT, US
[72] HAMILTON, JENNIFER DAVIDSON, US
[71] SANOFI BIOTECHNOLOGY, FR
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2017-05-11
[86] 2015-11-13 (PCT/US2015/060540)
[87] (WO2016/077675)
[30] US (62/080,092) 2014-11-14
[30] US (62/083,821) 2014-11-24
[30] US (62/158,832) 2015-05-08
[30] US (62/199,305) 2015-07-31
[30] EP (15306632.9) 2015-10-14

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[21] **2,967,619**
[13] A1
[51] **Int.Cl. A61K 31/225 (2006.01) A61P 21/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **METHODS OF TREATING MULTIPLE SCLEROSIS**
[54] **METHODES DE TRAITEMENT DE LA SCLEROSE EN PLAQUES**
[72] NOVAS, MARK, US
[72] ZHANG, RUI (RAY), US
[71] BIOGEN MA INC., US
[85] 2017-03-16
[86] 2015-11-16 (PCT/US2015/060850)
[87] (WO2016/081355)
[30] US (62/080,783) 2014-11-17
[30] US (62/140,255) 2015-03-30
[30] US (62/232,963) 2015-09-25

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[21] **2,967,645**
[13] A1
[51] **Int.Cl. A61K 9/22 (2006.01) A61K 31/225 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL MATRIX FORMULATIONS COMPRISING DIMETHYL FUMARATE**
[54] **FORMULATIONS DE MATRICE PHARMACEUTIQUE COMPRENANT DU FUMARATE DE DIMETHYLE**
[72] KARKI, SHYAM B., US
[72] ZAWANEH, PETER, US
[72] LEUNG, CHEUK-YUI, US
[72] LIN, YIQING, US
[71] BIOGEN MA INC., US
[85] 2017-05-11
[86] 2015-11-19 (PCT/US2015/061448)
[87] (WO2016/081671)
[30] US (62/081,907) 2014-11-19

[21] **2,967,647**
[13] A1
[51] **Int.Cl. A61K 9/50 (2006.01) A61K 9/16 (2006.01) A61K 31/225 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL BEAD FORMULATIONS COMPRISING DIMETHYL FUMARATE**
[54] **FORMULATION DE BILLE PHARMACEUTIQUE COMPRENANT DU FUMARATE DE DIMETHYLE**
[72] KARKI, SHYAM B., US
[72] ZAWANEH, PETER, US
[72] LEUNG, CHEUK-YUI, US
[72] VASUDEVAN, KALYAN, US
[72] LIN, YIQING, US
[72] XU, JIN, US
[72] TREMENTOZZI, ANDREA, US
[71] BIOGEN MA INC., US
[85] 2017-05-11
[86] 2015-11-19 (PCT/US2015/061456)
[87] (WO2016/081676)
[30] US (62/081,889) 2014-11-19

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[21] **2,967,659**
[13] A1
[51] **Int.Cl. A61K 31/428 (2006.01) A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61P 1/02 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **SUBLINGUAL ADMINISTRATION OF RILUZOLE**
[54] **ADMINISTRATION SUBLINGUALE DE RILUZOLE**
[72] CORIC, VLADIMIR, US
[72] BERMAN, ROBERT M., US
[71] BIOHAVEN PHARMACEUTICAL HOLDING COMPANY LTD., US
[85] 2017-05-11
[86] 2015-11-17 (PCT/US2015/061106)
[87] (WO2016/081466)
[30] US (62/083,068) 2014-11-21

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[21] **2,967,662**
[13] A1
[51] **Int.Cl. A61K 31/428 (2006.01) A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61P 1/02 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **SUBLINGUAL FORMULATION OF RILUZOLE**
[54] **FORMULATION SUBLINGUALE DE RILUZOLE**
[72] CORIC, VLADIMIR, US
[72] BERMAN, ROBERT M., US
[72] VLADYKA, RONALD SAMUEL, US
[72] SALEH, AMGAD, US
[72] YU, DANNY, US
[71] BIOHAVEN PHARMACEUTICAL HOLDING COMPANY LTD., US
[85] 2017-05-11
[86] 2015-11-17 (PCT/US2015/061114)
[87] (WO2016/081472)
[30] US (62/083,094) 2014-11-21

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[21] **2,967,694**
[13] A1
[51] **Int.Cl. C07D 405/06 (2006.01) A61K 31/404 (2006.01) A61K 31/437 (2006.01) A61K 31/5377 (2006.01) A61P 11/00 (2006.01) A61P 13/00 (2006.01) A61P 25/00 (2006.01) C07D 209/42 (2006.01) C07D 403/04 (2006.01) C07D 403/06 (2006.01) C07D 405/04 (2006.01) C07D 405/12 (2006.01) C07D 405/14 (2006.01) C07D 409/12 (2006.01) C07D 409/14 (2006.01) C07D 413/06 (2006.01) C07D 417/12 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **INDOLE AND AZAINDOLES DERIVATIVES AND THEIR USE IN NEURODEGENERATIVE DISEASES**
[54] **DERIVES INDOLIQUES ET AZAINDOLIQUES ET LEUR UTILISATION DANS LE TRAITEMENT DE MALADIES NEURODEGENERATIVES**
[72] KARRA, SRINIVASA R., US
[71] MERCK PATENT GMBH, DE
[85] 2017-05-11
[86] 2015-12-15 (PCT/US2015/065716)
[87] (WO2016/100281)
[30] US (62/091,855) 2014-12-15
[30] US (62/117,128) 2015-02-17

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[21] **2,967,737**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/415 (2006.01) A61K 31/4245 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/454 (2006.01) A61K 31/4709 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) C07D 231/38 (2006.01) C07D 401/10 (2006.01) C07D 403/10 (2006.01) C07D 403/12 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 413/10 (2006.01) C07D 413/14 (2006.01) C07D 417/06 (2006.01) C07D 417/10 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **N-((HET)ARYLMETHYL)-HETEROARYL-CARBOXAMIDES COMPOUNDS AS PLASMA KALLIKREIN INHIBITORS**
[54] **COMPOSES N-((HET)ARYLMETHYL)-HETEROARYL-CARBOXAMIDES EN TANT QU'INHIBITEURS DE KALLIKREINE**
[72] EVANS, DAVID MICHAEL, GB
[72] DAVIE, REBECCA LOUISE, GB
[72] EDWARDS, HANNAH JOY, GB
[72] HODGSON, SIMON TEANBY, GB
[71] KALVISTA PHARMACEUTICALS LIMITED, GB
[85] 2017-05-12
[86] 2015-11-26 (PCT/GB2015/053613)
[87] (WO2016/083818)
[30] GB (1421085.0) 2014-11-27

---

[21] **2,967,738**
[13] A1
[51] **Int.Cl. A61K 9/42 (2006.01) A61K 9/28 (2006.01) A61K 9/36 (2006.01)**
[25] EN
[54] **COMPOSITION**
[54] **COMPOSITION**
[72] STEVENS, HOWARD NORMAN ERNEST, GB
[72] MULLEN, ALEXANDER BALFOUR, GB
[72] SMITH, DAVID, GB
[72] MACDOUGALL, FIONA JANE, GB
[72] BHARDWAJ, VIVEKANAND, US
[71] DRUG DELIVERY INTERNATIONAL LTD, GB
[85] 2017-05-12
[86] 2015-11-16 (PCT/GB2015/053471)
[87] (WO2016/075495)
[30] GB (1420306.1) 2014-11-14

[21] **2,967,746**
[13] A1
[51] **Int.Cl. A61K 36/28 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TITRATED EXTRACTS OF CYNARA SCOLYMUS AND USES THEREOF**
[54] **EXTRAITS TITRES DE CYNARA SCOLYMUS ET SES UTILISATIONS**
[72] MERCATI, VALENTINO, IT
[71] ABOCA S.P.A. SOCIETA AGRICOLA, IT
[85] 2017-05-12
[86] 2015-11-24 (PCT/IB2015/059073)
[87] (WO2016/083992)
[30] IT (102014902312096) 2014-11-25

---

[21] **2,967,749**
[13] A1
[51] **Int.Cl. A61K 36/28 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TITRATED EXTRACTS OF CYNARA SCOLYMUS FOR USE IN THE TREATMENT OF MESOTHELIOMA**
[54] **EXTRAITS TITRES DE CYNARA SCOLYMUS DESTINES AU TRAITEMENT DE MESOTHELIOME**
[72] MERCATI, VALENTINO, IT
[71] ABOCA S.P.A. SOCIETA AGRICOLA, IT
[85] 2017-05-12
[86] 2015-11-24 (PCT/IB2015/059075)
[87] (WO2016/083993)
[30] IT (102014902312096) 2014-11-25

---

[21] **2,967,769**
[13] A1
[51] **Int.Cl. G01N 27/00 (2006.01) G01N 33/483 (2006.01)**
[25] EN
[54] **DETERMINING THE IDENTITY OF MODIFIED COMPOUNDS**
[54] **DETERMINATION DE L'IDENTITE DE COMPOSES MODIFIES**
[72] LAU, ADAM SAN-HO, CA
[71] DH TECHNOLOGIES DEVELOPMENT PTE. LTD., SG
[85] 2017-05-12
[86] 2015-10-14 (PCT/IB2015/057878)
[87] (WO2016/075565)
[30] US (62/079,048) 2014-11-13

---

[21] **2,967,820**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **METHODS FOR TUMOR TREATMENT USING CD3XCD20 BISPECIFIC ANTIBODY**
[54] **PROCEDES POUR LE TRAITEMENT DE TUMEURS A L'AIDE DE CD3XCD20 ANTICORPS BISPECIFIQUES**
[72] SMITH, ERIC, US
[72] DAVIS, SAMUEL, US
[72] VARGHESE, BINDU, US
[72] KIRSHNER, JESSICA R., US
[72] THURSTON, GAVIN, US
[72] LOWY, ISRAEL, US
[72] BROWNSTEIN, CARRIE, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2017-05-12
[86] 2015-11-17 (PCT/US2015/061139)
[87] (WO2016/081490)
[30] US (62/080,716) 2014-11-17
[30] US (62/160,788) 2015-05-13

---

[21] **2,967,828**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/407 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF PARP INHIBITORS**
[54] **FORMES CRISTALLINES D'INHIBITEURS DE PARP**
[72] BIERLMAIER, STEPHEN J., US
[72] HALTIWANGER, RALPH C., US
[72] JACOBS, MARTIN J., US
[71] CEPHALON, INC., US
[85] 2017-05-12
[86] 2015-11-25 (PCT/US2015/062572)
[87] (WO2016/086080)
[30] US (62/084,652) 2014-11-26

---

[21] **2,967,842**
[13] A1
[51] **Int.Cl. C12M 1/12 (2006.01) C12M 1/26 (2006.01) C12Q 1/24 (2006.01) G01N 1/28 (2006.01) G01N 1/40 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR ISOLATING TARGET CELLS FROM A FLUID SAMPLE**
[54] **APPAREIL ET PROCEDE POUR ISOLER DES CELLULES CIBLES A PARTIR D'UN ECHANTILLON DE FLUIDE**
[72] DISTEL, ROBERT J., US
[72] CAYRE YVON, FR
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2017-05-12
[86] 2015-12-07 (PCT/US2015/064302)
[87] (WO2016/094315)
[30] US (62/089,058) 2014-12-08

---

[21] **2,967,853**
[13] A1
[51] **Int.Cl. G01N 33/573 (2006.01) C12Q 1/48 (2006.01) G01N 33/15 (2006.01)**
[25] EN
[54] **ASSAYS FOR BTK INHIBITORS**
[54] **DOSAGES POUR INHIBITEURS DE LA BTK**
[72] BENDER, ANDREW, US
[72] LIU-BUJALSKI, LESLEY, US
[72] PEREIRA, ALBERTINA, US
[72] CALDWELL, RICHARD D., US
[72] GRENNINGLOH, ROLAND, US
[72] XU, DAIGEN, US
[71] MERCK PATENT GMBH, DE
[85] 2017-05-12
[86] 2015-12-10 (PCT/US2015/064939)
[87] (WO2016/094628)
[30] US (62/090,648) 2014-12-11

[21] **2,967,867**
[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01) G01N 33/483 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **METHODS FOR DETECTION AND TREATMENT OF COLORECTAL CANCER**
[54] **PROCEDES POUR LA DETECTION ET LE TRAITEMENT D'UN CANCER COLORECTAL**
[72] IVANCIC, MELANIE MAE, US
[72] SUSSMAN, MICHAEL RICHARD, US
[72] DOVE, WILLIAM FRANKLIN, US
[72] IRVING, AMY ANN, US
[72] PLEIMAN, JENNIFER KATHLEEN, US
[72] HUTTLIN, EDWARD LEO, US
[72] CHEN, XIAODI, US
[72] HEGEMAN, ADRIAN DANIEL, US
[72] REICHELDERFER, MARK, US
[72] KENNEDY, GREGORY D., US
[72] PICKHARDT, PERRY J., US
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
[85] 2017-05-12
[86] 2015-12-10 (PCT/US2015/065049)
[87] (WO2016/094692)
[30] US (62/090,800) 2014-12-11

---

[21] **2,967,894**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4155 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/4709 (2006.01) A61K 31/497 (2006.01) A61K 31/506 (2006.01) A61K 31/538 (2006.01) C07D 231/14 (2006.01) C07D 401/06 (2006.01) C07D 401/10 (2006.01) C07D 401/12 (2006.01) C07D 403/10 (2006.01) C07D 403/14 (2006.01) C07D 409/14 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **N-((HET)ARYLMETHYL)-HETEROARYL-CARBOXAMIDES COMPOUNDS AS PLASMA KALLIKREIN INHIBITORS**
[54] **COMPOSES N-((HET)ARYLMETHYL)-HETEROARYL-CARBOXAMIDES COMME INHIBITEURS DE LA KALLIKREINE PLASMATIQUE**
[72] DAVIE, REBECCA LOUISE, GB
[72] EDWARDS, HANNAH JOY, GB
[72] EVANS, DAVID MICHAEL, GB
[72] HODGSON, SIMON TEANBY, GB
[71] KALVISTA PHARMACEUTICALS LIMITED, GB
[85] 2017-05-15
[86] 2015-11-26 (PCT/GB2015/053615)
[87] (WO2016/083820)
[30] GB (1421083.5) 2014-11-27

---

[21] **2,967,899**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/5575 (2006.01) A61P 9/12 (2006.01)**
[25] EN
[54] **PRESERVATIVE-FREE TREPROSTINIL FORMULATIONS AND METHODS AND DEVICES FOR USE WITH SAME**
[54] **FORMULATIONS DE TREPROSTINIL EXEMPTES DE CONSERVATEUR ET PROCEDES ET DISPOSITIFS S'UTILISANT AVEC CELLES-CI**
[72] RIGBY, JONATHAN, US
[72] NOYMER, PETER, US
[72] ZWOLINSKI, ROBERT, US
[71] STEADYMED LTD, IL
[85] 2017-05-15
[86] 2015-11-15 (PCT/IL2015/051098)
[87] (WO2016/088119)
[30] US (62/086,731) 2014-12-03

---

[21] **2,967,951**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORM OF (S)-N-(5-((R)-2-(2,5-DIFLUOROPHENYL)-PYRROLIDIN-1-YL)-PYRAZOLO[1,5-A]PYRIMIDIN-3-YL)-3-HYDROXYPYRROLIDINE-1-CARBOXAMIDE HYDROGEN SULFATE**
[54] **FORME CRISTALLINE D'HYDROGENOSULFATE DE (S)-N-(5-((R)-2-(2,5-DIFLUOROPHENYL)-PYRROLIDIN-1-YL)-PYRAZOLO[1,5-A]PYRIMIDIN-3-YL)-3-HYDROXYPYRROLIDINE-1-CARBOXAMIDE**
[72] ARRIGO, ALISHA B., US
[72] JUENGST, DERRICK, US
[72] SHAH, KHALID, US
[71] ARRAY BIOPHARMA, INC., US
[85] 2017-05-15
[86] 2015-11-16 (PCT/US2015/060953)
[87] (WO2016/077841)
[30] US (62/080,374) 2014-11-16
[30] US (62/169,545) 2015-06-01

---

[21] **2,967,952**
[13] A1
[51] **Int.Cl. A61K 35/74 (2015.01) A61P 1/12 (2006.01)**
[25] EN
[54] **PROCESS FOR THE THERAPEUTIC MANAGEMENT OF DIARRHEA PREDOMINANT IRRITABLE BOWEL SYNDROME USING BACILLUS COAGULANS SBC37-01, MTCC 5856**
[54] **PROCEDE DE TRAITEMENT THERAPEUTIQUE DU SYNDROME DU COLON IRRITABLE A PREDOMINANCE DIARRHEIQUE AU MOYEN DU BACILLUS COAGULANS SBC37-01, MTCC 5856**
[72] MAJEED, MUHAMMED, US
[72] NAGABHUSHANAM, KALYANAM, US
[72] VAIDYANATHAN, PRITI, IN
[72] ARUMUGAM, SIVAKUMAR, IN
[72] KARRI, SURESH, IN
[72] SANKARAN, NATARAJAN, IN
[71] SAMI LABS LIMITED, IN
[85] 2017-05-19
[86] 2016-01-07 (PCT/US2016/012409)
[87] (2967952)

[21] **2,967,971**
[13] A1
[51] **Int.Cl. C10B 29/02 (2006.01) F27D 1/04 (2006.01)**
[25] EN
[54] **COKE OVEN CORBEL STRUCTURES AND METHODS OF FORMING THE SAME**
[54] **STRUCTURES A ENCORBELLEMENT D'UN FOUR A COKE ET PROCEDES DE FORMATION ASSOCIE**
[72] BOWSER, ALAN E., JR., US
[71] FOSBEL, INC., US
[85] 2017-05-15
[86] 2015-11-20 (PCT/US2015/061844)
[87] (WO2016/081827)
[30] US (62/082,922) 2014-11-21

---

[21] **2,968,029**
[13] A1
[51] **Int.Cl. C07D 471/18 (2006.01) A61K 31/551 (2006.01)**
[25] EN
[54] **SUBSTITUTED BRIDGED UREA ANALOGS AS SIRTUIN MODULATORS**
[54] **ANALOGUES DE L'UREE SUBSTITUES ET PONTES EN TANT QUE MODULATEURS DE LA SIRTUINE**
[72] ELLIS, JAMES LAMOND, US
[72] EVANS, KAREN ANDERSON, US
[72] FOX, RYAN MICHAEL, US
[72] MILLER, WILLIAM HENRY, US
[72] SEEFELD, MARK ANDREW, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED, GB
[85] 2017-05-16
[86] 2015-11-19 (PCT/IB2015/058978)
[87] (WO2016/079710)
[30] US (62/081,916) 2014-11-19

---

[21] **2,968,030**
[13] A1
[51] **Int.Cl. C07D 487/18 (2006.01) A61K 31/529 (2006.01) A61K 31/5377 (2006.01) A61K 31/551 (2006.01) A61P 3/10 (2006.01) A61P 17/06 (2006.01)**
[25] EN
[54] **SUBSTITUTED BRIDGED UREA ANALOGS AS SIRTUIN MODULATORS**
[54] **ANALOGUES DE L'UREE SUBSTITUES ET PONTES EN TANT QUE MODULATEURS DE LA SIRTUINE**
[72] ELLIS, JAMES LAMOND, US
[72] EVANS, KAREN ANDERSON, US
[72] FOX, RYAN MICHAEL, US
[72] MILLER, WILLIAM HENRY, US
[72] SEEFELD, MARK ANDREW, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED, GB
[85] 2017-05-16
[86] 2015-11-19 (PCT/IB2015/058981)
[87] (WO2016/079712)
[30] US (62/081,916) 2014-11-19

---

[21] **2,968,032**
[13] A1
[51] **Int.Cl. C07D 487/18 (2006.01) A61K 31/4995 (2006.01) A61K 31/506 (2006.01)**
[25] EN
[54] **SUBSTITUTED BRIDGED UREA ANALOGS AS SIRTUIN MODULATORS**
[54] **ANALOGUES D'UREE PONTES SUBSTITUES EN TANT QUE MODULATEURS DE SIRTUINE**
[72] ELLIS, JAMES LAMOND, US
[72] EVANS, KAREN ANDERSON, US
[72] FOX, RYAN MICHAEL, US
[72] MILLER, WILLIAM HENRY, US
[72] SEEFELD, MARK ANDREW, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED, GB
[85] 2017-05-16
[86] 2015-11-19 (PCT/IB2015/058980)
[87] (WO2016/079711)
[30] US (62/081,916) 2014-11-19

---

[21] **2,968,046**
[13] A1
[51] **Int.Cl. A61K 47/20 (2006.01) A61K 9/00 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61K 47/18 (2017.01) A61K 47/22 (2006.01)**
[25] EN
[54] **TRANSDERMAL FORMULATIONS**
[54] **FORMULATIONS TRANSDERMIQUES**
[72] HOFFMAN, STEVEN, US
[71] HOFFMAN, STEVEN, US
[85] 2017-05-16
[86] 2015-12-23 (PCT/US2015/000302)
[87] (WO2016/105530)
[30] US (62/096,148) 2014-12-23

---

[21] **2,968,060**
[13] A1
[51] **Int.Cl. C07C 333/04 (2006.01) A61K 47/20 (2006.01) C07C 323/60 (2006.01) C07C 333/10 (2006.01) C07J 31/00 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **IONIZABLE CATIONIC LIPID FOR RNA DELIVERY**
[54] **LIPIDE CATIONIQUE IONISABLE POUR L'ADMINISTRATION D'ARN**
[72] PAYNE, JOSEPH E., US
[72] CHIVUKULA, PADMANABH, US
[71] ARCTURUS THERAPEUTICS, INC., US
[85] 2017-05-16
[86] 2015-05-11 (PCT/US2015/030218)
[87] (WO2016/081029)
[30] US (14/546,105) 2014-11-18
[30] US (14/707,876) 2015-05-08
[30] US (14/707,796) 2015-05-08

---

[21] **2,968,063**
[13] A1
[51] **Int.Cl. C10G 59/02 (2006.01)**
[25] EN
[54] **PROCESS FOR REDUCING THE BENZENE CONTENT OF GASOLINE**
[54] **PROCEDE DE REDUCTION DE LA TENEUR EN BENZENE DE L'ESSENCE**
[72] HWANG, SHYH-YUAN HENRY, US
[72] MOY, J. ERIK, US
[71] BADGER LICENSING LLC, US
[85] 2017-05-16
[86] 2015-11-24 (PCT/US2015/062274)
[87] (WO2016/085908)
[30] US (62/084,158) 2014-11-25
[30] US (62/165,310) 2015-05-22

[21] **2,968,104**
[13] A1
[51] **Int.Cl. A61K 31/718 (2006.01) A61L 26/00 (2006.01) A61P 7/04 (2006.01) A61P 17/02 (2006.01) A61P 41/00 (2006.01)**
[25] EN
[54] **FLOWABLE HEMOSTATIC COMPOSITION**
[54] **COMPOSITION HEMOSTATIQUE FLUIDIFIABLE**
[72] SANDERS, PAUL, US
[72] FULGHUM, TIMOTHY MICHAEL, US
[72] BARRY, JOHN J., US
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2017-05-16
[86] 2015-12-18 (PCT/US2015/066767)
[87] (WO2016/100861)
[30] US (62/094,578) 2014-12-19

---

[21] **2,968,130**
[13] A1
[51] **Int.Cl. G01N 30/06 (2006.01) G01N 33/15 (2006.01)**
[25] EN
[54] **PROCESS OF CONDUCTING HIGH THROUGHPUT TESTING HIGH PERFORMANCE LIQUID CHROMATOGRAPHY**
[54] **PROCEDE POUR EFFECTUER UNE CHROMATOGRAPHIE LIQUIDE HAUTE PERFORMANCE POUR UN TEST A HAUT RENDEMENT**
[72] BORSJE, ERIC, US
[72] RASMUSSEN, HENRIK TORSTHOLM, US
[71] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2017-05-16
[86] 2015-11-18 (PCT/US2015/061264)
[87] (WO2016/081556)
[30] US (62/081,181) 2014-11-18

---

[21] **2,969,554**
[13] A1
[51] **Int.Cl. A61B 17/94 (2006.01) A61B 10/04 (2006.01) A61B 17/34 (2006.01)**
[25] EN
[54] **TUMOR STABILIZING APPARATUS FOR A MEDICAL PROCEDURE**
[54] **APPAREIL DE STABILISATION DE TUMEUR POUR ACTE MEDICAL**
[72] WITCOMB, NEIL, CA
[72] RICHMOND, JOSHUA, CA
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[85] 2017-06-02
[86] 2014-12-03 (PCT/CA2014/051163)
[87] (WO2016/086284)

---

[21] **2,970,655**
[13] A1
[51] **Int.Cl. A61K 47/10 (2017.01) A61K 31/567 (2006.01)**
[25] EN
[54] **USE OF SUGAR-ALCOHOLS IN TIBOLONE COMPOSITIONS**
[54] **UTILISATION D'ALCOOLS GLUCIDIQUES DANS LES COMPOSITIONS DE TIBOLONE**
[72] JASPART, SEVERINE, BE
[71] MITHRA PHARMACEUTICALS S.A., BE
[85] 2017-06-13
[86] 2017-05-04 (PCT/EP2017/060676)
[87] (2970655)
[30] EP (16168390.9) 2016-05-04

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[21] **2,972,620**
[13] A1
[51] **Int.Cl. A61B 17/12 (2006.01) A61F 2/07 (2013.01) A61F 2/95 (2013.01) A61B 17/00 (2006.01)**
[25] EN
[54] **MICROGRAFT FOR THE TREATMENT OF INTRACRANIAL ANEURYSMS AND METHOD FOR USE**
[54] **MICROGREFFE POUR LE TRAITEMENT D'ANEVRISMES INTRACRANIENS ET PROCEDE D'UTILISATION**
[72] HEBERT, STEPHEN J., US
[72] BOJANOWSKI, BARTOSZ, US
[71] NEUROGAMI MEDICAL, INC., US
[85] 2017-06-28
[86] 2016-01-15 (PCT/US2016/013638)
[87] (WO2016/118420)
[30] US (62/105,648) 2015-01-20

---

[21] **2,974,617**
[13] A1
[51] **Int.Cl. E21F 1/00 (2006.01) E21F 1/04 (2006.01) E21F 1/06 (2006.01) E21F 1/08 (2006.01) E21F 3/00 (2006.01) F16L 9/22 (2006.01)**
[25] EN
[54] **UNDERGROUND VENTILATION APPARATUS AND METHOD**
[54] **APPAREIL DE VENTILATION SOUTERRAIN ET PROCEDE**
[72] IANNI, JOSEPH, AU
[71] POLYVENT PTY LTD, AU
[85] 2017-07-20
[86] 2016-01-22 (PCT/AU2016/050033)
[87] (WO2016/115605)
[30] AU (2015900200) 2015-01-23

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[21] **2,976,332**
[13] A1
[51] **Int.Cl. B01D 39/18 (2006.01) B01D 39/02 (2006.01) B01D 39/16 (2006.01)**
[25] EN
[54] **FILTER MEDIUM AND FILTERS MADE THEREFROM**
[54] **MILIEU FILTRANT ET FILTRES COMPRENANT CELUI-CI**
[72] NONNI, ARTHUR J., US
[72] COURCHENE, CHARLES E., US
[72] SLONE, CHRISTOPHER M., US
[71] GP CELLULOSE GMBH, CH
[85] 2017-08-10
[86] 2016-02-09 (PCT/US2016/017217)
[87] (WO2016/130596)
[30] US (62/114,481) 2015-02-10

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[21] **2,976,573**
[13] A1
[51] **Int.Cl. A61B 34/20 (2016.01) A61B 34/10 (2016.01) G06T 7/30 (2017.01)**
[25] EN
[54] **METHODS FOR IMPROVING PATIENT REGISTRATION**
[54] **METHODES DESTINEES A L'AMELIORATION DE L'ADMISSION DES PATIENTS**
[72] LUI, DOROTHY, CA
[72] SELA, GAL, CA
[72] SIAL, AISHA, CA
[72] MOVAGHATI, SEPIDE, CA
[72] SRIMOHANARAJAH, KIRUSHA, CA
[72] CHEN, SEAN, CA
[72] ALEXANDER, SIMON, CA
[72] WITCOMB, NEIL, CA
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[85] 2017-08-17
[86] 2016-05-02 (PCT/CA2016/050506)
[87] (2976573)

[21] **2,977,623**
[13] A1
[51] **Int.Cl. H03M 13/11 (2006.01) H03M 13/15 (2006.01) H03M 13/27 (2006.01)**
[25] EN
[54] **ZERO PADDING APPARATUS FOR ENCODING VARIABLE-LENGTH SIGNALING INFORMATION AND ZERO PADDING METHOD USING SAME**
[54] **APPAREIL DE REMPLISSAGE PAR DES ZEROS PERMETTANT DE CODER DES INFORMATIONS DE SIGNALISATION DE LONGUEUR VARIABLE, ET PROCEDE DE REMPLISSAGE PAR DES ZEROS UTILISANT CET APPAREIL**
[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR
[72] LEE, JAE-YOUNG, KR
[72] KIM, HEUNG-MOOK, KR
[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[85] 2017-08-23
[86] 2016-02-23 (PCT/KR2016/001758)
[87] (WO2016/137205)
[30] KR (10-2015-0028063) 2015-02-27
[30] KR (10-2016-0020867) 2016-02-22

[21] **2,977,627**
[13] A1
[51] **Int.Cl. H03M 13/11 (2006.01) H03M 13/15 (2006.01) H03M 13/27 (2006.01) H04L 1/22 (2006.01) H04L 27/34 (2006.01)**
[25] EN
[54] **PARITY PUNCTURING DEVICE FOR FIXED-LENGTH SIGNALING INFORMATION ENCODING, AND PARITY PUNCTURING METHOD USING SAME**
[54] **DISPOSITIF DE PERFORATION DE PARITE POUR LE CODAGE D'INFORMATIONS DE SIGNALISATION DE LONGUEUR FIXE ET PROCEDE DE PERFORATION DE PARITE FAISANT APPEL A CELUI-CI**
[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR
[72] LEE, JAE-YOUNG, KR
[72] KIM, HEUNG-MOOK, KR
[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[85] 2017-08-23
[86] 2016-02-25 (PCT/KR2016/001875)
[87] (WO2016/137253)
[30] KR (10-2015-0028062) 2015-02-27
[30] KR (10-2015-0031949) 2015-03-06
[30] KR (10-2016-0020852) 2016-02-22

[21] **2,977,628**
[13] A1
[51] **Int.Cl. H03M 13/11 (2006.01) H03M 13/27 (2006.01) H04L 1/22 (2006.01)**
[25] EN
[54] **PARITY INTERLEAVING APPARATUS FOR ENCODING VARIABLE-LENGTH SIGNALING INFORMATION AND PARITY INTERLEAVING METHOD USING SAME**
[54] **APPAREIL D'ENTRELACEMENT DE PARITE POUR CODAGE D'INFORMATIONS DE SIGNALISATION DE LONGUEUR VARIABLE, ET PROCEDE D'ENTRELACEMENT DE PARITE UTILISANT CELUI-CI**
[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR
[72] LEE, JAE-YOUNG, KR
[72] KIM, HEUNG-MOOK, KR
[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[85] 2017-08-23
[86] 2016-02-25 (PCT/KR2016/001878)
[87] (WO2016/137254)
[30] KR (10-2015-0028064) 2015-02-27
[30] KR (10-2016-0020854) 2016-02-22

[21] **2,977,629**
[13] A1
[51] **Int.Cl. H03M 13/11 (2006.01) H03M 13/15 (2006.01) H03M 13/27 (2006.01) H04L 1/22 (2006.01) H04L 27/34 (2006.01)**
[25] EN
[54] **PARITY PUNCTURING DEVICE FOR VARIABLE-LENGTH SIGNALING INFORMATION ENCODING, AND PARITY PUNCTURING METHOD USING SAME**
[54] **DISPOSITIF DE PERFORATION DE PARITE POUR CODAGE D'INFORMATIONS DE SIGNALISATION DE LONGUEUR VARIABLE, ET PROCEDE DE PERFORATION DE PARITE L'UTILISANT**
[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR
[72] LEE, JAE-YOUNG, KR
[72] KIM, HEUNG-MOOK, KR
[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[85] 2017-08-23
[86] 2016-02-25 (PCT/KR2016/001879)
[87] (WO2016/137255)
[30] KR (10-2015-0028065) 2015-02-27
[30] KR (10-2016-0020849) 2016-02-22

[21] **2,977,781**
[13] A1
[51] **Int.Cl. H05B 37/02 (2006.01)**
[25] EN
[54] **ACTIVE DAMPING CIRCUIT**
[54] **CIRCUIT D'AMORTISSEMENT ACTIF**
[72] WEI, JINSHENG, US
[72] JOHNSEN, ANDREW, US
[72] JAYABALAN, RANJIT, US
[72] KUMAR, NITIN, DE
[71] OSRAM SYLVANIA INC., US
[85] 2017-08-24
[86] 2016-02-25 (PCT/US2016/019656)
[87] (WO2016/138319)
[30] US (62/120,646) 2015-02-25

[21] **2,977,783**
[13] A1
[51] **Int.Cl. H05B 37/02 (2006.01)**
[25] EN
[54] **ACTIVE DAMPING CIRCUIT**
[54] **CIRCUIT D'AMORTISSEMENT ACTIF**
[72] WEI, JINSHENG, US
[72] JOHNSEN, ANDREW, US
[72] JAYABALAN, RANJIT, US
[72] KUMAR, NITIN, DE
[71] OSRAM SYLVANIA INC., US
[85] 2017-08-24
[86] 2016-02-25 (PCT/US2016/019659)
[87] (WO2016/138321)
[30] US (62/120,646) 2015-02-25

[21] **2,977,788**
[13] A1
[51] **Int.Cl. H01H 59/00 (2006.01) B81B 3/00 (2006.01) H01H 1/26 (2006.01)**
[25] EN
[54] **ELECTROMECHANICAL SYSTEM SUBSTRATE ATTACHMENT FOR REDUCED THERMAL DEFORMATION**
[54] **FIXATION DE SUBSTRAT DE SYSTEME ELECTROMECANIQUE POUR PERMETTRE UNE DEFORMATION THERMIQUE REDUITE**
[72] AIMI, MARCO FRANCESCO, US
[72] LIN, YIZHEN, US
[71] GENERAL ELECTRIC COMPANY, US
[85] 2017-08-24
[86] 2016-02-02 (PCT/US2016/016075)
[87] (WO2016/140752)
[30] US (14/634,981) 2015-03-02

[21] **2,977,855**
[13] A1
[51] **Int.Cl. H02K 21/24 (2006.01) H02K 16/00 (2006.01)**
[25] EN
[54] **DISC ROTOR- AND AXIAL FLUX-TYPE ROTATING ELECTRIC MACHINE**
[54] **MACHINE ELECTRIQUE ROTATIVE DE TYPE A ROTORS A DISQUES ET A FLUX AXIAL**
[72] BOTTCHER, OLAF, DE
[71] BOTTCHER, OLAF, DE
[85] 2017-08-25
[86] 2016-02-25 (PCT/DE2016/100082)
[87] (WO2016/134702)
[30] DE (10 2015 102 804.2) 2015-02-26

[21] **2,977,858**
[13] A1
[51] **Int.Cl. H01L 21/02 (2006.01) H01L 29/12 (2006.01) H01L 49/02 (2006.01) H05B 3/10 (2006.01)**
[25] EN
[54] **ROOM TEMPERATURE METHOD FOR THE PRODUCTION OF ELECTROTECHNICAL THIN LAYERS, THE USE OF SAME, AND A THIN LAYER HEATING SYSTEM OBTAINED IN THIS MANNER**
[54] **PROCEDE A TEMPERATURE AMBIANTE DE FABRICATION DE COUCHES MINCES ELECTROTECHNIQUES, LEUR UTILISATION ET DISPOSITIF DE CHAUFFAGE A COUCHE MINCE AINSI OBTENU**
[72] LINDER, PATRICK, DE
[72] LINDER, DANIEL, DE
[71] DYNAMIC SOLAR SYSTEMS AG, DE
[85] 2017-08-25
[86] 2016-02-26 (PCT/DE2016/100085)
[87] (WO2016/134705)
[30] DE (10 2015 102 801.8) 2015-02-26
[30] DE (10 2015 015 435.4) 2015-12-02

[21] **2,977,863**
[13] A1
[51] **Int.Cl. H01L 21/02 (2006.01) H01L 29/12 (2006.01) H01L 49/02 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING ELECTROTECHNICAL THIN LAYERS AT ROOM TEMPERATURE, AND ELECTROTECHNICAL THIN LAYER**
[54] **PROCEDE DE PRODUCTION A TEMPERATURE AMBIANTE DE COUCHES MINCES ELECTROTECHNIQUES ET COUCHE MINCE ELECTROTECHNIQUE**
[72] PUVANENDRALINGAM, GANGADARAN, DE
[72] LINDER, PATRICK, DE
[72] LINDER, DANIEL, DE
[71] DYNAMIC SOLAR SYSTEMS AG, DE
[85] 2017-08-25
[86] 2016-02-26 (PCT/DE2016/100086)
[87] (WO2016/134706)
[30] DE (10 2015 102 801.8) 2015-02-26

[21] **2,977,884**
[13] A1
[51] **Int.Cl. G02B 1/10 (2015.01)**
[25] EN
[54] **OPTICAL ELEMENT HAVING A COATING FOR ENHANCED VISIBILITY OF A MARK AND METHOD FOR MAKING THE OPTICAL ELEMENT**
[54] **ELEMENT OPTIQUE AYANT UN REVETEMENT POUR VISIBILITE AMELIOREE D'UN REPERE ET PROCEDE DE FABRICATION DE L'ELEMENT OPTIQUE**
[72] FREASE, JENNINE, US
[72] TURPEN, JOSEPH, US
[72] CARPENTER, WILLIAM, US
[72] STEWART, KEVIN J., US
[71] TRANSITIONS OPTICAL, LTD., IE
[85] 2017-08-25
[86] 2016-03-10 (PCT/EP2016/055201)
[87] (WO2016/142496)
[30] US (62/130,777) 2015-03-10

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[21] **2,978,223**
[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) A61K 9/20 (2006.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01) A61K 47/34 (2017.01) A61P 5/24 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SOLID PREPARATION**
[54] **PREPARATION SOLIDE**
[72] YAMANE, IKURO, JP
[72] NOMURA, YUKIHIRO, JP
[72] NISHIMOTO, YUTAKA, JP
[72] HOSHINA, WATARU, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2017-08-25
[86] 2016-02-25 (PCT/JP2016/055540)
[87] (WO2016/136849)
[30] JP (2015-037462) 2015-02-26

---

[21] **2,978,348**
[13] A1
[51] **Int.Cl. A61C 7/36 (2006.01) A61F 5/56 (2006.01)**
[25] EN
[54] **MANDIBULAR REPOSITION DEVICE AND COUPLING THEREFOR**
[54] **DISPOSITIF DE REPOSITIONNEMENT MANDIBULAIRE ET RACCORD A CET EFFET**
[72] LAMBERT, GEOFFREY JAMES, AU
[71] LAMBERT, GEOFFREY JAMES, AU
[71] LAMBERT, LEANNE JOY, AU
[85] 2017-08-31
[86] 2016-03-16 (PCT/AU2016/050183)
[87] (WO2016/149742)
[30] AU (2015901013) 2015-03-20
[30] AU (2015101689) 2015-11-19

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[21] **2,978,430**
[13] A1
[51] **Int.Cl. G02B 6/293 (2006.01) G02B 6/30 (2006.01) G02B 27/00 (2006.01) G02F 1/13 (2006.01) H04J 14/02 (2006.01)**
[25] EN
[54] **OPTICAL ARRANGEMENT FOR MANAGING DIVERSITY AND ISOLATION BETWEEN PORTS IN A WAVELENGTH SELECTIVE SWITCH**
[54] **AGENCEMENT OPTIQUE DESTINE A LA GESTION DE DIVERSITE ET D'ISOLEMENT ENTRE PORTS DANS UN COMMUTATEUR SELECTIF DE LONGUEUR D'ONDE**
[72] WAGENER, JEFFERSON L., US
[72] SOCCOLICH, CARL EDMUND, US
[72] ISHIKAWA, TAKAAKI, JP
[71] NISTICA, INC., US
[85] 2017-08-31
[86] 2016-02-19 (PCT/US2016/018591)
[87] (WO2016/140811)
[30] US (14/636,479) 2015-03-03

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[21] **2,978,471**
[13] A1
[51] **Int.Cl. B01F 3/18 (2006.01) C01B 32/182 (2017.01) C01B 32/198 (2017.01) C01B 32/20 (2017.01) C04B 35/626 (2006.01) C08K 9/00 (2006.01)**
[25] EN
[54] **UNIFORM DISPERSING OF GRAPHENE NANOPARTICLES IN A HOST**
[54] **DISPERSION UNIFORME DE NANOPARTICULES DE GRAPHENE DANS UN HOTE**
[72] ZHAI, LEI, US
[72] MCINNIS, MATTHEW, US
[71] UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., US
[85] 2017-08-31
[86] 2016-03-12 (PCT/US2016/022229)
[87] (WO2016/149150)
[30] US (62/132,699) 2015-03-13

---

[21] **2,978,958**
[13] A1
[51] **Int.Cl. H04W 48/12 (2009.01)**
[25] EN
[54] **SYSTEM TYPE DEPENDENT MASTER INFORMATION BLOCK (MIB)**
[54] **BLOC D'INFORMATIONS MAITRE (MIB) DEPENDANT DE TYPE SYSTEME**
[72] CHEN, WANSHI, US
[72] XU, HAO, US
[72] GAAL, PETER, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-09-06
[86] 2016-04-21 (PCT/US2016/028567)
[87] (WO2016/172293)
[30] US (62/151,379) 2015-04-22
[30] US (15/133,776) 2016-04-20

[21] **2,979,035**
[13] A1
[51] **Int.Cl. H04N 5/359 (2011.01) H04N 5/347 (2011.01) H04N 5/372 (2011.01) H04N 5/374 (2011.01) H01L 27/148 (2006.01)**
[25] EN
[54] **DETECTOR ARRAYS WITH ELECTRONICALLY ADJUSTABLE DETECTOR POSITIONS**
[54] **RESEAUX DE DETECTEUR DOTES DE POSITIONS DE DETECTEUR REGLABLES ELECTRONIQUEMENT**
[72] MATTHEW, CHRISTOPER D., US
[72] VAMPOLA, JOHN L., US
[72] HARRIS, MICKY, US
[71] RAYTHEON COMPANY, US
[85] 2017-09-07
[86] 2016-03-08 (PCT/US2016/021309)
[87] (WO2016/182622)
[30] US (14/711,042) 2015-05-13

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[21] **2,979,043**
[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01) H04L 12/12 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR WEB API COMMUNICATION**
[54] **SYSTEMES ET METHODES DE COMMUNICATION D'API WEB**
[72] MALPASS, LUKE, GB
[71] FASETTO, LLC, US
[85] 2017-09-07
[86] 2016-03-09 (PCT/US2016/021627)
[87] (WO2016/145126)
[30] US (62/131,619) 2015-03-11

---

[21] **2,979,050**
[13] A1
[51] **Int.Cl. H04W 80/02 (2009.01) H04J 11/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR GENERATING AND TRANSMITTING DATA FRAMES**
[54] **APPAREIL ET PROCEDE PERMETTANT DE GENERER ET DE TRANSMETTRE DES TRAMES DE DONNEES**
[72] EITAN, ALECSANDER, US
[72] SANDEROVICH, AMICHAI, US
[72] BASSON, GAL, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-09-07
[86] 2016-03-14 (PCT/US2016/022296)
[87] (WO2016/167908)
[30] US (62/147,479) 2015-04-14
[30] US (15/009,733) 2016-01-28

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[21] **2,979,053**
[13] A1
[51] **Int.Cl. H04L 9/30 (2006.01) H04L 12/58 (2006.01)**
[25] EN
[54] **SERVER-CLIENT PKI FOR APPLIED KEY MANAGEMENT SYSTEM AND PROCESS**
[54] **PKI DE SERVEUR-CLIENT POUR PROCEDE ET SYSTEME DE GESTION DE CLE APPLIQUEE**
[72] WHITE, CHARLES, US
[72] EDWARDS, STEPHEN, US
[71] FORNETIX LLC, US
[85] 2017-09-07
[86] 2016-03-14 (PCT/US2016/022357)
[87] (WO2016/145444)
[30] US (62/132,342) 2015-03-12
[30] US (62/300,717) 2016-02-26
[30] US (62/300,699) 2016-02-26
[30] US (62/300,687) 2016-02-26
[30] US (62/300,670) 2016-02-26
[30] US (62/300,521) 2016-02-26
[30] US (62/300,352) 2016-02-26

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[21] **2,979,054**
[13] A1
[51] **Int.Cl. H04L 9/08 (2006.01) H04L 9/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ORGANIZING DEVICES IN A POLICY HIERARCHY**
[54] **SYSTEMES ET PROCEDES D'ORGANISATION DE DISPOSITIFS DANS UNE HIERARCHIE DE POLITIQUES**
[72] WHITE, CHARLES, US
[72] EDWARDS, STEPHEN, US
[71] FORNETIX LLC, US
[85] 2017-09-07
[86] 2016-03-14 (PCT/US2016/022360)
[87] (WO2016/145446)
[30] US (62/132,372) 2015-03-12
[30] US (62/300,670) 2016-02-26
[30] US (62/300,687) 2016-02-26
[30] US (62/300,521) 2016-02-26
[30] US (62/300,352) 2016-02-26
[30] US (62/300,699) 2016-02-26
[30] US (62/300,717) 2016-02-26

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[21] **2,979,071**
[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01) H04W 72/12 (2009.01) H04L 1/18 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR MANAGING COMMUNICATIONS IN A SHARED RADIO FREQUENCY SPECTRUM BAND**
[54] **TECHNIQUES DE GESTION DE COMMUNICATIONS DANS UNE BANDE PARTAGEE DE SPECTRE DE RADIOFREQUENCES**
[72] YERRAMALLI, SRINIVAS, US
[72] LUO, TAO, US
[72] DAMNJANOVIC, ALEKSANDAR, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-09-07
[86] 2016-03-25 (PCT/US2016/024282)
[87] (WO2016/167941)
[30] US (62/149,373) 2015-04-17
[30] US (15/080,393) 2016-03-24

[21] **2,979,073**
[13] A1
[51] **Int.Cl. H04W 74/08 (2009.01) H04W 24/10 (2009.01) H04W 72/04 (2009.01)**
[25] EN
[54] **CONTROL OF UE CLEAR CHANNEL ASSESSMENT BY AN ENB**
[54] **COMMANDE D'UNE EVALUATION DE CANAL LIBRE D'UN UE AU MOYEN D'UN ENB**
[72] YERRAMALLI, SRINIVAS, US
[72] LUO, TAO, US
[72] DAMNJANOVIC, ALEKSANDAR, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-09-07
[86] 2016-04-14 (PCT/US2016/027604)
[87] (WO2016/168507)
[30] US (62/149,377) 2015-04-17
[30] US (15/098,128) 2016-04-13

[21] **2,979,075**
[13] A1
[51] **Int.Cl. H04N 19/134 (2014.01) H04N 19/124 (2014.01) H04N 19/154 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/186 (2014.01) H04N 19/61 (2014.01)**
[25] EN
[54] **DYNAMIC RANGE ADJUSTMENT FOR HIGH DYNAMIC RANGE AND WIDE COLOR GAMUT VIDEO CODING**
[54] **AJUSTEMENT DE PLAGE DYNAMIQUE POUR CODAGE VIDEO A PLAGE DYNAMIQUE ELEVEE ET A LARGE GAMME DE COULEURS**
[72] RUSANOVSKYY, DMYTRO, US
[72] BUGDAYCI SANSLI, DONE, US
[72] SOLE ROJALS, JOEL, US
[72] KARCZEWICZ, MARTA, US
[72] LEE, SUNGWON, US
[72] RAMASUBRAMONIAN, ADARSH KRISHNAN, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-09-07
[86] 2016-04-15 (PCT/US2016/027831)
[87] (WO2016/168652)
[30] US (62/149,446) 2015-04-17
[30] US (15/099,256) 2016-04-14

[21] **2,979,206**
[13] A1
[51] **Int.Cl. G08G 1/00 (2006.01) G08G 1/14 (2006.01)**
[25] EN
[54] **FACILITY AND INFRASTRUCTURE UTILIZATION**
[54] **UTILISATION D'INSTALLATION ET D'INFRASTRUCTURE**
[72] BASIR, OTMAN A., CA
[72] MINERS, WILLIAM BEN, CA
[71] IMS SOLUTIONS INC., US
[85] 2017-09-08
[86] 2015-03-13 (PCT/US2015/020464)
[87] (WO2015/138913)
[30] US (61/952,235) 2014-03-13

[21] **2,979,718**
[13] A1
[51] **Int.Cl. H04H 20/20 (2009.01) H04H 60/37 (2009.01) H04N 21/23 (2011.01) H04N 21/436 (2011.01)**
[25] EN
[54] **USING BITRATE DATA TO OUTPUT AN ALERT INDICATING A FUNCTIONAL STATE OF A BACK-UP MEDIA-BROADCAST SYSTEM**
[54] **UTILISATION DE DONNEES DE DEBIT BINAIRE POUR EMETTRE UNE ALERTE INDIQUANT UN ETAT FONCTIONNEL D'UN SYSTEME DE RADIODIFFUSION MULTIMEDIA DE SECOURS**
[72] HUNDEMER, HANK J., US
[71] TRIBUNE BROADCASTING COMPANY, LLC, US
[85] 2017-09-13
[86] 2016-03-30 (PCT/US2016/024851)
[87] (WO2016/160891)
[30] US (14/676,293) 2015-04-01

[21] **2,979,723**
[13] A1
[51] **Int.Cl. C12M 1/34 (2006.01) C12M 1/00 (2006.01) C12M 1/24 (2006.01) C12M 1/36 (2006.01)**
[25] EN
[54] **SINGLE-USE BIOREACTOR PORT WITH MULTIPLE SENSORS**
[54] **ORIFICE DE BIOREACTEUR A USAGE UNIQUE EQUIPE DE PLUSIEURS CAPTEURS**
[72] SCHUMACHER, MARK S., US
[72] FENG, CHANG-DONG, US
[71] ROSEMOUNT ANALYTICAL INC., US
[85] 2017-09-13
[86] 2016-03-30 (PCT/US2016/024869)
[87] (WO2016/167959)
[30] US (62/146,460) 2015-04-13

[21] **2,979,799**
[13] A1
[51] **Int.Cl. A47J 43/042 (2006.01) A23L 5/00 (2016.01) A23P 30/00 (2016.01) A23G 9/08 (2006.01) A23G 9/10 (2006.01) A23G 9/22 (2006.01) A47J 43/07 (2006.01) A47J 43/27 (2006.01) B01F 15/00 (2006.01)**
[25] EN
[54] **PRODUCT-CHARACTERIZATION-BASED FOOD PRODUCT MIXING**
[54] **MELANGE DE PRODUITS ALIMENTAIRES BASE SUR UNE CARACTERISATION DES PRODUITS**
[72] BIGLARI, SARDAR, US
[72] MILTON, DAVID, US
[72] PERRY, MACINTOSH E., US
[72] BAZZELL, NATHANAEL RON, US
[71] STEAK'N SHAKE ENTERPRISES, INC., US
[85] 2017-09-13
[86] 2016-03-11 (PCT/US2016/021915)
[87] (WO2016/149062)
[30] US (14/657,150) 2015-03-13

[21] **2,979,837**
[13] A1
[51] **Int.Cl. C02F 3/34 (2006.01) B03B 9/02 (2006.01) B09C 1/10 (2006.01) C02F 3/02 (2006.01) C12N 1/20 (2006.01) C12Q 1/02 (2006.01) C12M 1/04 (2006.01)**
[25] EN
[54] **BIOREMEDIATION**
[54] **BIOREHABILITATION**
[72] BEDDOW, JESSICA GRACE, GB
[72] WHITBY, CORINNE, GB
[71] UNIVERSITY OF ESSEX ENTERPRISES LIMITED, GB
[85] 2017-09-14
[86] 2016-03-22 (PCT/GB2016/050800)
[87] (WO2016/162661)
[30] GB (1506040.3) 2015-04-09

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[21] **2,979,839**
[13] A1
[51] **Int.Cl. A61F 13/494 (2006.01) A61F 13/49 (2006.01)**
[25] EN
[54] **ABSORBENT ARTICLE WITH LEG CUFFS**
[54] **ARTICLE ABSORBANT A MANCHONS DE JAMBE**
[72] SURUSHE, ABHISHEK PRAKASH, DE
[72] RAYCHECK, JEROMY THOMAS, US
[72] MARTYNUS, CORNELIA BEATE, DE
[72] SAUER, ANDREW JAMES, US
[72] SEITZ, AARON DUANE, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2017-09-14
[86] 2016-03-18 (PCT/US2016/023070)
[87] (WO2016/149585)
[30] US (62/134,622) 2015-03-18

---

[21] **2,979,894**
[13] A1
[51] **Int.Cl. A61F 2/72 (2006.01) A61B 5/0488 (2006.01) A61F 2/54 (2006.01) A61F 2/68 (2006.01) A61F 5/01 (2006.01) A61H 1/02 (2006.01)**
[25] EN
[54] **POWERED ORTHOTIC DEVICE AND METHOD OF USING SAME**
[54] **DISPOSITIF ORTHETIQUE MOTORISE ET SON PROCEDE D'UTILISATION**
[72] KELLY, STEPHEN R., US
[72] TACY, GENE, US
[72] KESNER, SAMUEL, US
[72] HARLAN, ANDREW, US
[71] MYOMO, INC., US
[85] 2017-09-14
[86] 2016-06-15 (PCT/US2016/037607)
[87] (WO2016/205356)
[30] US (62/175,765) 2015-06-15

---

[21] **2,980,107**
[13] A1
[51] **Int.Cl. A23L 19/18 (2016.01) A23L 19/12 (2016.01) A23L 29/212 (2016.01) A23L 29/219 (2016.01) A23L 33/20 (2016.01) A23P 20/10 (2016.01)**
[25] EN
[54] **COATING FOR A POTATO PRODUCT FOR FINISH-FRYING, A POTATO PRODUCT PROVIDED THEREWITH AND METHOD THEREFOR**
[54] **ENROBAGE POUR FRITURE FINALE D'UN PRODUIT DE POMME DE TERRE, PRODUIT DE POMME DE TERRE COMPORTANT CET ENROBAGE, ET PROCEDE ASSOCIE**
[72] VOS, PAULUS BARTHOLOMEUS JACOBUS, NL
[72] DOKTER, JANNES, NL
[71] FRIES4ALL B.V., NL
[85] 2017-09-18
[86] 2016-03-23 (PCT/NL2016/050202)
[87] (WO2016/153350)
[30] NL (2014504) 2015-03-23
[30] US (62/164,138) 2015-05-20
[30] NL (2016396) 2016-03-08

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[21] **2,980,113**
[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/0735 (2010.01) C12N 5/077 (2010.01) A61L 27/38 (2006.01) C07K 14/47 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **WNT INDUCED MOTILITY AND ENHANCED ENGRAFTMENT OF CELLS**
[54] **MOTILITE INDUITE PAR WNT ET PRISE DE GREFFE AMELIOREE DE CELLULES**
[72] RUDNICKI, MICHAEL A., CA
[72] BENTZINGER, CONRAD FLORIAN, CH
[71] OTTAWA HOSPITAL RESEARCH INSTITUTE, CA
[85] 2017-09-18
[86] 2015-03-27 (PCT/US2015/022992)
[87] (WO2015/148923)
[30] US (61/972,097) 2014-03-28

---

[21] **2,980,116**
[13] A1
[51] **Int.Cl. A61L 31/10 (2006.01) A61L 31/14 (2006.01)**
[25] EN
[54] **HEMOSTATIC INJECTION NEEDLE COATED WITH CROSSLINKED CHITOSAN HAVING CATECHOL GROUP AND OXIDIZED CATECHOL GROUP**
[54] **AIGUILLE D'INJECTION NE PROVOQUANT PAS DE SAIGNEMENT, REVETUE DE CHITOSANE RETICULE POSSEDANT UN GROUPE CATECHOL ET UN GROUPE CATECHOL OXYDE**
[72] LEE, HAESHIN, KR
[72] SHIN, MIKYUNG, KR
[72] LEE, MOON SUE, KR
[72] OH, SUK SONG, KR
[71] INNOTHERAPY INC., KR
[85] 2017-09-18
[86] 2016-04-04 (PCT/KR2016/003451)
[87] (WO2016/159734)
[30] KR (10-2015-0047329) 2015-04-03

[21] **2,980,118**
[13] A1
[51] **Int.Cl. A61F 9/009 (2006.01) A61F 9/008 (2006.01) A61M 1/00 (2006.01)**
[25] EN
[54] **VACUUM LOSS DETECTION DURING LASER EYE SURGERY**
[54] **DETECTION DE PERTE DE VIDE PENDANT UNE CHIRURGIE OCULAIRE AU LASER**
[72] GOODING, PHILLIP H., US
[72] BELTRAN, CHRISTINE J., US
[72] CAMPOS, MICHAEL A., US
[72] WYSOPAL, JAN C., US
[72] EIKANAS, BRENT, US
[72] HUGUES, RENE, US
[71] OPTIMEDICA CORPORATION, US
[85] 2017-09-18
[86] 2015-12-14 (PCT/US2015/065500)
[87] (WO2016/148754)
[30] US (14/661,951) 2015-03-18

---

[21] **2,980,145**
[13] A1
[51] **Int.Cl. A61F 13/494 (2006.01) A61F 13/49 (2006.01) A61F 13/53 (2006.01)**
[25] EN
[54] **ABSORBENT ARTICLE WITH WAIST GASKETING ELEMENT AND LEG CUFFS**
[54] **ARTICLE ABSORBANT A MANCHONS DE JAMBE ET ELEMENT D'ETANCHEITE POUR TAILLE**
[72] RAYCHECK, JEROMY THOMAS, US
[72] SURUSHE, ABHISHEK PRAKASH, DE
[72] FREIJE, ZACHARY AARON, US
[72] MARTYNUS, CORNELIA BEATE, DE
[72] ROE, DONALD CARROLL, US
[72] SAUER, ANDREW JAMES, US
[72] KIGER, CHRISTOPHER ERIN, US
[72] GIOVANNI, SARA LYN, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2017-09-18
[86] 2016-03-18 (PCT/US2016/023082)
[87] (WO2016/149592)
[30] US (62/134,972) 2015-03-18

---

[21] **2,980,146**
[13] A1
[51] **Int.Cl. A61F 13/494 (2006.01) A61F 13/49 (2006.01) A61F 13/53 (2006.01)**
[25] EN
[54] **ABSORBENT ARTICLE WITH WAIST GASKETING ELEMENT AND LEG CUFFS**
[54] **ARTICLE ABSORBANT A MANCHONS DE JAMBE ET ELEMENT D'ETANCHEITE POUR TAILLE**
[72] RAYCHECK, JEROMY THOMAS, US
[72] SURUSHE, ABHISHEK PRAKASH, DE
[72] FREIJE, ZACHARY AARON, US
[72] MARTYNUS, CORNELIA BEATE, DE
[72] ROE, DONALD CARROLL, US
[72] SAUER, ANDREW JAMES, US
[72] KIGER, CHRISTOPHER ERIN, US
[72] GIOVANNI, SARA LYN, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2017-09-18
[86] 2016-03-18 (PCT/US2016/023084)
[87] (WO2016/149593)
[30] US (62/134,977) 2015-03-18

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[21] **2,980,147**
[13] A1
[51] **Int.Cl. C07K 7/54 (2006.01) C07K 7/08 (2006.01)**
[25] EN
[54] **IMMUNOMODULATORS**
[54] **IMMUNOMODULATEURS**
[72] BOY, KENNETH M., US
[72] SUN, LI-QIANG, US
[72] ZHAO, QIAN, US
[72] MULL, ERIC, US
[72] GILLIS, ERIC P., US
[72] SCOLA, PAUL MICHAEL, US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2017-09-18
[86] 2016-03-16 (PCT/US2016/022619)
[87] (WO2016/149351)
[30] US (62/134,686) 2015-03-18

---

[21] **2,980,148**
[13] A1
[51] **Int.Cl. A61F 13/494 (2006.01) A61F 13/49 (2006.01) A61F 13/53 (2006.01) A61F 13/532 (2006.01) A61F 13/537 (2006.01)**
[25] EN
[54] **ABSORBENT ARTICLE WITH LEG CUFFS**
[54] **ARTICLE ABSORBANT A MANCHONS DE JAMBE**
[72] RAYCHECK, JEROMY THOMAS, US
[72] SURUSHE, ABHISHEK PRAKASH, DE
[72] MARTYNUS, CORNELIA BEATE, DE
[72] ROE, DONALD CARROLL, US
[72] BIANCHI, ERNESTO GABRIEL, DE
[72] EHRNSPERGER, BRUNO JOHANNES, DE
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2017-09-18
[86] 2016-03-18 (PCT/US2016/023093)
[87] (WO2016/149598)
[30] US (62/134,623) 2015-03-18

---

[21] **2,980,160**
[13] A1
[51] **Int.Cl. H04W 4/02 (2009.01)**
[25] EN
[54] **PEER-TO-PEER GEOTARGETING CONTENT WITH AD-HOC MESH NETWORKS**
[54] **GEOCIBLAGE DE CONTENU, DE POSTE A POSTE, AVEC DES RESEAUX MAILLES AD-HOC**
[72] SHIFFERT, NICHOLAS J., US
[72] DUBUQUE, SHAUN, US
[72] CHENG, ALEXANDER M., US
[72] REGO, JEFFREY R., US
[72] RANDLE, J., SETH, US
[71] RETAILMENOT, INC., US
[85] 2017-09-18
[86] 2016-03-18 (PCT/US2016/023158)
[87] (WO2016/154009)
[30] US (62/135,914) 2015-03-20
[30] US (62/185,229) 2015-06-26

[21] **2,980,168**
[13] A1
[51] **Int.Cl. C09C 1/44 (2006.01) C01B 32/182 (2017.01) C01B 32/198 (2017.01)**
[25] EN
[54] **ENGINEERED COMPOSITE STRUCTURE USING GRAPHENE OXIDE**
[54] **STRUCTURE COMPOSITE OBTENUE PAR INGENIERIE AU MOYEN D'OXYDE DE GRAPHENE**
[72] CHRISTIANSEN, SEAN, US
[72] RESTREPO, DAVID, US
[72] O'DONNELL, DAN, US
[72] MCINNIS, MATTHEW, US
[72] STOLTZ, RICHARD, US
[72] BULLINGTON, JEFF, US
[71] GARMOR, INC., US
[85] 2017-09-18
[86] 2016-03-18 (PCT/US2016/023273)
[87] (WO2016/154057)
[30] US (62/136,658) 2015-03-23

---

[21] **2,980,176**
[13] A1
[51] **Int.Cl. H04W 4/00 (2009.01) H04W 12/06 (2009.01) H04W 76/02 (2009.01) A61M 5/172 (2006.01) G06F 19/00 (2011.01)**
[25] EN
[54] **PATIENT PROGRAMMER FOR IMPLANTABLE DRUG DELIVERY DEVICE**
[54] **PROGRAMMATEUR PATIENT POUR DISPOSITIF D'ADMINISTRATION DE MEDICAMENT IMPLANTABLE**
[72] BURKE, PAUL, US
[72] ADLER, STEVE, US
[71] FLOWONIX MEDICAL INCORPORATED, US
[85] 2017-09-18
[86] 2016-04-15 (PCT/US2016/027803)
[87] (WO2016/168635)
[30] US (62/148,431) 2015-04-16
[30] US (15/098,631) 2016-04-14

---

[21] **2,980,218**
[13] A1
[51] **Int.Cl. A61F 9/007 (2006.01) A61F 2/14 (2006.01)**
[25] FR
[54] **INTERPOSITIONAL OPHTHALMOLOGICAL IMPLANT**
[54] **IMPLANT OPHTALMOLOGIQUE D'INTERPOSITION**
[72] SOURDILLE, PHILIPPE, FR
[71] SOURDILLE, PHILIPPE, FR
[85] 2017-09-19
[86] 2016-03-25 (PCT/FR2016/050696)
[87] (WO2016/156727)
[30] FR (15 52732) 2015-03-31

---

[21] **2,980,239**
[13] A1
[51] **Int.Cl. A61F 5/445 (2006.01) A61F 5/44 (2006.01)**
[25] EN
[54] **AN ADHESIVE SECURING MEMBER FOR AN OSTOMY PRODUCT**
[54] **ELEMENT DE FIXATION ADHESIF POUR PRODUIT DE STOMIE**
[72] HEWITT, AARON, GB
[71] PELICAN HEALTHCARE LIMITED, GB
[85] 2017-09-19
[86] 2016-03-21 (PCT/GB2016/050773)
[87] (WO2016/151303)
[30] GB (1504779.8) 2015-03-20

---

[21] **2,980,253**
[13] A1
[51] **Int.Cl. H04W 84/18 (2009.01) H04W 40/20 (2009.01) G06F 9/54 (2006.01)**
[25] EN
[54] **NETWORK DEVICE, COMPUTER NETWORK AND METHOD FOR CONTROLLING ENVIRONMENTS**
[54] **DISPOSITIF DE RESEAU, RESEAU INFORMATIQUE ET PROCEDE POUR COMMANDER DES ENVIRONNEMENTS**
[72] RAPALLINI, ROMANO, IT
[72] GARDINI, LUCA, IT
[71] RAPALLINI, ROMANO, IT
[71] GARDINI, LUCA, IT
[85] 2017-09-19
[86] 2016-03-21 (PCT/IB2016/051573)
[87] (WO2016/151472)
[30] IT (GE2015A000037) 2015-03-23

---

[21] **2,980,273**
[13] A1
[51] **Int.Cl. H04L 12/58 (2006.01)**
[25] EN
[54] **TECHNIQUES TO SHARE AND REMIX MEDIA THROUGH A MESSAGING SYSTEM**
[54] **PROCEDES DE PARTAGE ET DE REMIXAGE D'ELEMENTS MULTIMEDIAS AU MOYEN D'UN SYSTEME DE MESSAGERIE**
[72] FRANKLIN, ALEXANDER SALEM, US
[72] STEINER, MATTHEW, US
[71] FACEBOOK, INC., US
[85] 2017-09-19
[86] 2015-03-25 (PCT/US2015/022375)
[87] (WO2016/153495)
[30] US (14/667,576) 2015-03-24

---

[21] **2,980,281**
[13] A1
[51] **Int.Cl. H04L 12/58 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR AUTOMATED DETERMINATION OF FORM RESPONSES**
[54] **TECHNIQUES DE DETERMINATION AUTOMATISEE DE REPONSES DE FORMULAIRE**
[72] SCHMID, MATTHEW LOGAN, US
[72] SHARON, EYAL MICHAEL, US
[72] BUSH, MATTHEW SANCHEZ, US
[72] VULKAN, ROEE, US
[71] FACEBOOK, INC., US
[85] 2017-09-19
[86] 2015-07-22 (PCT/US2015/041561)
[87] (WO2016/153540)
[30] US (62/138,341) 2015-03-25
[30] US (62/138,337) 2015-03-25
[30] US (62/138,344) 2015-03-25
[30] US (14/804,991) 2015-07-21

[21] **2,980,292**
[13] A1
[51] **Int.Cl. C07K 16/32 (2006.01) C07K 14/74 (2006.01) C07K 16/00 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C12Q 1/68 (2006.01) C40B 30/04 (2006.01) C40B 40/02 (2006.01) C40B 40/06 (2006.01) C40B 50/06 (2006.01) G01N 33/532 (2006.01)**
[25] EN
[54] **HLA-RESTRICTED EPITOPES ENCODED BY SOMATICALLY MUTATED GENES**
[54] **EPITOPES RESTREINTS AUX HLA ENCODES PAR DES GENES AYANT SUBI UNE MUTATION SOMATIQUE**
[72] VOGELSTEIN, BERT, US
[72] KINZLER, KENNETH W., US
[72] ZHOU, SHIBIN, US
[72] DIAZ, LUIS, US
[72] PAPADOPOULOS, NICKOLAS, US
[72] SKORA, ANDREW, US
[72] DOUGLASS, JACKIE, US
[72] HWANG, MICHAEL S., US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2017-09-19
[86] 2016-03-23 (PCT/US2016/023673)
[87] (WO2016/154246)
[30] US (62/136,843) 2015-03-23
[30] US (62/186,455) 2015-06-30

[21] **2,980,320**
[13] A1
[51] **Int.Cl. B65D 85/804 (2006.01) A23F 3/00 (2006.01) A23F 5/00 (2006.01) A23F 5/24 (2006.01) A23L 2/00 (2006.01) A47J 31/00 (2006.01) A47J 31/06 (2006.01) B65D 85/72 (2006.01)**
[25] EN
[54] **METHOD OF AND SYSTEM FOR CREATING A CONSUMABLE LIQUID FOOD OR BEVERAGE PRODUCT FROM FROZEN LIQUID CONTENTS**
[54] **PROCEDE ET SYSTEME DE CREATION D'UN PRODUIT ALIMENTAIRE OU D'UNE BOISSON CONSOMMABLE LIQUIDE A PARTIR DE CONTENUS LIQUIDES CONGELES**
[72] ROBERTS, MATTHEW, US
[72] KALENIAN, PAUL, US
[72] HOON, DOUGLAS M., US
[72] WINKLER, KARL, US
[71] MELTZ, LLC, US
[85] 2017-09-19
[86] 2016-03-18 (PCT/US2016/023226)
[87] (WO2016/154037)
[30] US (62/136,072) 2015-03-20
[30] US (14/801,540) 2015-07-16
[30] US (62/275,506) 2016-01-06

[21] **2,980,326**
[13] A1
[51] **Int.Cl. H04N 21/482 (2011.01) H04N 21/258 (2011.01) H04N 21/431 (2011.01) H04N 21/4627 (2011.01) G06F 17/30 (2006.01)**
[25] EN
[54] **GLOBAL RECOMMENDATION SYSTEMS FOR OVERLAPPING MEDIA CATALOGS**
[54] **SYSTEMES DE RECOMMANDATIONS GLOBALES POUR CATALOGUES MULTIMEDIAS SE CHEVAUCHANT**
[72] TODD, MICHAEL, US
[72] ELAHI, EHTSHAM, US
[72] FENTON, AISH, US
[72] URIBE, CARLOS GOMEZ, US
[71] NETFLIX, INC., US
[85] 2017-09-19
[86] 2016-04-05 (PCT/US2016/026070)
[87] (WO2016/164377)
[30] US (62/143,629) 2015-04-06
[30] US (15/079,767) 2016-03-24

[21] **2,980,337**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/713 (2006.01) A61P 25/14 (2006.01) C07H 21/02 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **OLIGONUCLEOTIDE COMPOUNDS FOR TARGETING HUNTINGTIN MRNA**
[54] **COMPOSES OLIGONUCLEOTIDIQUES POUR LE CIBLAGE DE L'ARNM DE L'HUNGTINGTINE**
[72] KHVOROVA, ANASTASIA, US
[72] ARONIN, NEIL, US
[72] ALTERMAN, JULIA, US
[71] UNIVERSITY OF MASSACHUSETTS, US
[85] 2017-09-19
[86] 2016-04-01 (PCT/US2016/025722)
[87] (WO2016/161374)
[30] US (62/142,731) 2015-04-03
[30] US (62/289,274) 2016-01-31

[21] **2,980,339**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/712 (2006.01) A61K 31/7125 (2006.01) A61K 31/713 (2006.01) A61P 9/00 (2006.01) C07H 21/02 (2006.01)**
[25] EN
[54] **OLIGONUCLEOTIDE COMPOUNDS FOR TREATMENT OF PREECLAMPSIA AND OTHER ANGIOGENIC DISORDERS**
[54] **COMPOSES D'OLIGONUCLEOTIDES POUR TRAITER LA PRE-ECLAMPSIE ET D'AUTRES TROUBLES ANGIOGENIQUES**
[72] KHVOROVA, ANASTASIA, US
[72] MOORE, MELISSA, US
[72] TURANOV, ANTON A., US
[72] KARUMANCHI, ANANTH, US
[71] UNIVERSITY OF MASSACHUSETTS, US
[71] BETH ISRAEL DEACONESS MEDICAL CENTER, INC., US
[85] 2017-09-19
[86] 2016-04-01 (PCT/US2016/025731)
[87] (WO2016/161378)
[30] US (62/142,745) 2015-04-03
[30] US (62/291,961) 2016-02-05
[30] US (62/291,678) 2016-02-05

[21] **2,980,342**
[13] A1
[51] **Int.Cl. C01B 32/00 (2017.01) C10L 5/40 (2006.01) C10L 5/44 (2006.01)**
[25] EN
[54] **METHOD OF AND SYSTEM FOR PRODUCING SOLID CARBON MATERIALS**
[54] **PROCEDE ET SYSTEME DE PRODUCTION DE MATIERES CARBONEES SOLIDES**
[72] LI, CHUN-ZHU, AU
[72] HU, XUN, AU
[71] CURTIN UNIVERSITY, AU
[85] 2017-09-20
[86] 2016-04-13 (PCT/AU2016/000133)
[87] (WO2016/164965)
[30] AU (2015901314) 2015-04-13

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[21] **2,980,344**
[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01) H04W 48/12 (2009.01)**
[25] EN
[54] **CONTROL CHANNEL BASED BROADCAST MESSAGING**
[54] **MESSAGERIE DE DIFFUSION A BASE DE CANAL DE COMMANDE**
[72] XU, HAO, US
[72] CHEN, WANSHI, US
[72] VAJAPEYAM, MADHAVAN SRINIVASAN, US
[72] GAAL, PETER, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-09-19
[86] 2016-04-20 (PCT/US2016/028404)
[87] (WO2016/172186)
[30] US (62/150,247) 2015-04-20
[30] US (15/132,729) 2016-04-19

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[21] **2,980,449**
[13] A1
[51] **Int.Cl. E21B 33/13 (2006.01) C09K 8/467 (2006.01) E21B 33/138 (2006.01)**
[25] EN
[54] **GROUT FLUIDS FOR USE IN A GEOTHERMAL WELL LOOP**
[54] **COULIS DESTINE A UNE UTILISATION DANS UNE BOUCLE DE PUITS GEOTHERMIQUE**
[72] FRANTZ, ERIC BENJAMIN, US
[72] HENRY, REBECCA MARIE, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-09-20
[86] 2015-04-29 (PCT/US2015/028140)
[87] (WO2016/175774)

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[21] **2,980,460**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY FOR CANCER**
[54] **POLYTHERAPIE CONTRE LE CANCER**
[72] MASTELLER, EMMA, US
[72] BRENNAN, THOMAS, US
[72] BELLOVIN, DAVID, US
[72] BAKER, KEVIN, US
[72] WONG, BRIAN, US
[71] FIVE PRIME THERAPEUTICS, INC., US
[85] 2017-09-20
[86] 2016-04-12 (PCT/US2016/027038)
[87] (WO2016/168149)
[30] US (62/146,766) 2015-04-13
[30] US (62/190,945) 2015-07-10

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[21] **2,980,467**
[13] A1
[51] **Int.Cl. H04W 28/12 (2009.01) H04W 72/04 (2009.01)**
[25] EN
[54] **BLOCK ACKNOWLEDGEMENT MECHANISM FOR ACKNOWLEDGING DL-MU DATA ON UL-MU WIRELESS COMMUNICATION SYSTEM**
[54] **MECANISME D'ACCUSE DE RECEPTION PAR BLOCS POUR ACCUSER RECEPTION DE DONNEES DL-MU SUR SYSTEME UL-MU DE COMMUNICATION SANS FIL**
[72] CHERIAN, GEORGE, US
[72] MERLIN, SIMONE, US
[72] BARRIAC, GWENDOLYN DENISE, US
[72] ASTERJADHI, ALFRED, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-09-20
[86] 2016-05-04 (PCT/US2016/030820)
[87] (WO2016/179307)
[30] US (62/157,921) 2015-05-06
[30] US (15/145,756) 2016-05-03

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[21] **2,980,498**
[13] A1
[51] **Int.Cl. H04W 48/10 (2009.01) H04W 12/04 (2009.01) H04W 12/06 (2009.01)**
[25] EN
[54] **SYSTEM FOR ANTI-SPOOFING BEACON NETWORK AND CLOUD BASED ADMINISTRATION OF RELATED CONTENT**
[54] **SYSTEME POUR RESEAU DE BALISES ANTI-ARNAQUE ET ADMINISTRATION BASEE SUR UN NUAGE DE CONTENU ASSOCIE**
[72] GRAVES, RICHARD C., US
[72] BLANZ, CHRIS, US
[72] ZENERINO, BEAT, US
[72] HUBER, KEVIN, US
[72] THORNTON, GREG, US
[71] BKON CONNECT, INC., US
[85] 2017-09-20
[86] 2016-03-21 (PCT/US2016/023446)
[87] (WO2016/154129)
[30] US (62/136,157) 2015-03-20
[30] US (62/152,659) 2015-04-24

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[21] **2,980,553**
[13] A1
[51] **Int.Cl. H01F 38/30 (2006.01) H01F 27/04 (2006.01)**
[25] EN
[54] **TOP HEAD HOUSING**
[54] **BOITIER DE TETE SUPERIEUR**
[72] SMITH, MATTHEW, US
[72] ROMAN, ZOLTAN, US
[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2017-09-21
[86] 2015-03-31 (PCT/US2015/023460)
[87] (WO2016/159963)

[21] **2,980,583**
[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01) H04L 12/26 (2006.01)**
[25] EN
[54] **NETWORKING FLOW LOGS FOR MULTI-TENANT ENVIRONMENTS**
[54] **JOURNAUX DE FLUX DE RESEAU POUR ENVIRONNEMENTS MULTI-UTILISATEURS**
[72] BANERJEE, RAJAT, US
[72] MILLER, NATHAN ANDREW, US
[72] DIVECHA, ANIKET DEEPAK, US
[72] ZHAO, MINGXUE, US
[72] YE, SHUAI, US
[72] MILLER, KEVIN CHRISTOPHER, US
[72] KERL, JOHN ROBERT, US
[71] AMAZON TECHNOLOGIES, INC., US
[85] 2017-09-21
[86] 2016-03-29 (PCT/US2016/024789)
[87] (WO2016/160848)
[30] US (14/673,516) 2015-03-30

[21] **2,980,587**
[13] A1
[51] **Int.Cl. H04W 74/04 (2009.01) H04W 72/12 (2009.01) H04W 74/08 (2009.01) H04W 84/20 (2009.01)**
[25] EN
[54] **TRANSACTION SCHEDULING SYSTEM FOR A WIRELESS DATA COMMUNICATIONS NETWORK**
[54] **SYSTEME DE PLANIFICATION DE TRANSACTION POUR RESEAU DE COMMUNICATION DE DONNEES SANS FIL**
[72] IANNI, BRUCE C., US
[72] ROSS, DAVYEON D., US
[72] BENNETT, JUSTIN E., US
[72] CIHOLAS, MIKE E., US
[72] HOLLINGER, HERB A., US
[72] SINGER, KYLE D., US
[72] VANVORST, DIRK B., US
[71] SHOTTRACKER, INC., US
[85] 2017-09-21
[86] 2016-04-01 (PCT/US2016/025621)
[87] (WO2016/161321)
[30] US (62/141,751) 2015-04-01

[21] **2,980,590**
[13] A1
[51] **Int.Cl. H04L 9/16 (2006.01) G06F 21/62 (2013.01) H04L 9/08 (2006.01)**
[25] EN
[54] **KEY EXPORT TECHNIQUES**
[54] **PROCEDES D'EXPORTATION DE CLE**
[72] CAMPAGNA, MATTHEW JOHN, US
[72] ROTH, GREGORY BRANCHEK, US
[71] AMAZON TECHNOLOGIES, INC., US
[85] 2017-09-21
[86] 2016-03-25 (PCT/US2016/024302)
[87] (WO2016/160597)
[30] US (14/675,614) 2015-03-31

[21] **2,980,671**
[13] A1
[51] **Int.Cl. C02F 3/28 (2006.01) C02F 3/00 (2006.01) C02F 11/04 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING A TREATMENT APPARATUS ARRANGEMENT, A TREATMENT APPARATUS ARRANGEMENT FOR A TREATMENT PLANT AS WELL AS A TREATMENT PLANT**
[54] **PROCEDE DE COMMANDE D'AGENCEMENT D'APPAREIL DE TRAITEMENT, AGENCEMENT D'APPAREIL DE TRAITEMENT POUR UNE INSTALLATION DE TRAITEMENT, AINSI QU'UNE INSTALLATION DE TRAITEMENT**
[72] UBY, LARS, SE
[71] XYLEM IP MANAGEMENT S.A R.L., LU
[85] 2017-09-22
[86] 2016-03-21 (PCT/IB2016/051571)
[87] (WO2016/151471)
[30] SE (1550356-8) 2015-03-25

[21] **2,980,673**
[13] A1
[51] **Int.Cl. H04L 12/58 (2006.01) H04W 4/12 (2009.01) H04W 4/14 (2009.01) H04L 12/16 (2006.01)**
[25] EN
[54] **IMPROVEMENTS RELATING TO GROUP MESSAGING**
[54] **PERFECTIONNEMENTS APPORTES A LA MESSAGERIE DE GROUPE**
[72] DE BOER, DOEDE, NL
[72] KUIJPERS, MARIJN, NL
[71] MARKPORT LIMITED, IE
[85] 2017-09-22
[86] 2016-03-22 (PCT/IB2016/000407)
[87] (WO2016/151395)
[30] EP (15160301.6) 2015-03-23
[30] EP (15160298.4) 2015-03-23

[21] **2,980,674**
[13] A1
[51] **Int.Cl. H04W 74/04 (2009.01) H04W 72/12 (2009.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR MULTIPLE USER UPLINK**
[54] **PROCEDES ET APPAREIL POUR UNE LIAISON MONTANTE MULTI-UTILISATEUR**
[72] DING, GANG, US
[72] MERLIN, SIMONE, US
[72] ASTERJADHI, ALFRED, US
[72] CHERIAN, GEORGE, US
[72] BARRIAC, GWENDOLYN DENISE, US
[72] TIAN, BIN, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-09-21
[86] 2016-05-04 (PCT/US2016/030826)
[87] (WO2016/179313)
[30] US (62/157,307) 2015-05-05
[30] US (15/145,729) 2016-05-03

[21] **2,980,675**
[13] A1
[51] **Int.Cl. H04W 52/02 (2009.01) H04W 84/12 (2009.01)**
[25] EN
[54] **TECHNIQUES FOR PERFORMING AN INTRA-FRAME OPERATION BASED AT LEAST IN PART ON IDENTIFIERS IN A WIRELESS LOCAL AREA NETWORK PHYSICAL LAYER HEADER**
[54] **TECHNIQUES PERMETTANT DE REALISER UNE OPERATION INTRA-TRAME SUR LA BASE AU MOINS EN PARTIE D'IDENTIFIANTS DANS UN EN-TETE DE COUCHE PHYSIQUE DE RESEAU LOCAL SANS FIL**
[72] ASTERJADHI, ALFRED, US
[72] MERLIN, SIMONE, US
[72] CHERIAN, GEORGE, US
[72] BARRIAC, GWENDOLYN DENISE, US
[72] DING, GANG, US
[72] ZHOU, YAN, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-09-21
[86] 2016-05-05 (PCT/US2016/030966)
[87] (WO2016/179383)
[30] US (62/157,884) 2015-05-06
[30] US (62/217,546) 2015-09-11
[30] US (62/243,551) 2015-10-19
[30] US (62/244,080) 2015-10-20
[30] US (15/146,381) 2016-05-04

---

[21] **2,980,676**
[13] A1
[51] **Int.Cl. A61F 2/07 (2013.01) A61F 2/95 (2013.01)**
[25] EN
[54] **STENT GRAFT DEVICE WITH ANCHORING MEMBERS HAVING ADJUSTABLE GEOMETRIES**
[54] **DISPOSITIF DE GREFFE D'ENDOPROTHESE PRESENTANT DES ELEMENTS D'ANCRAGE PRESENTANT DES GEOMETRIES REGLABLES**
[72] MICHALAK, CHRISTOPHER S., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2017-09-21
[86] 2016-05-24 (PCT/US2016/033857)
[87] (WO2016/191400)
[30] US (62/166,756) 2015-05-27
[30] US (15/161,569) 2016-05-23

---

[21] **2,980,689**
[13] A1
[51] **Int.Cl. H04L 12/953 (2013.01) H04H 60/40 (2009.01) H04W 56/00 (2009.01) H04N 21/242 (2011.01)**
[25] EN
[54] **TRANSMISSION DEVICE, TRANSMISSION METHOD, RECEPTION DEVICE, AND RECEPTION METHOD**
[54] **DISPOSITIF DE TRANSMISSION, PROCEDE DE TRANSMISSION, DISPOSITIF DE RECEPTION, ET PROCEDE DE RECEPTION**
[72] TAKAHASHI, KAZUYUKI, JP
[72] MICHAEL, LACHLAN BRUCE, JP
[71] SONY CORPORATION, JP
[85] 2017-09-22
[86] 2016-05-19 (PCT/JP2016/002449)
[87] (WO2016/194326)
[30] JP (2015-112212) 2015-06-02

---

[21] **2,980,694**
[13] A1
[51] **Int.Cl. H04N 21/488 (2011.01) H04N 21/435 (2011.01) G10L 13/08 (2013.01) H04N 7/025 (2006.01)**
[25] EN
[54] **TRANSMISSION DEVICE, TRANSMISSION METHOD, RECEPTION DEVICE, AND RECEPTION METHOD**
[54] **DISPOSITIF DE TRANSMISSION, PROCEDE DE TRANSMISSION, DISPOSITIF DE RECEPTION ET PROCEDE DE RECEPTION**
[72] YAMANE, TAKETOSHI, JP
[72] YAMAGISHI, YASUAKI, JP
[71] SONY CORPORATION, JP
[85] 2017-09-22
[86] 2016-03-28 (PCT/JP2016/001777)
[87] (WO2016/163098)
[30] JP (2015-079603) 2015-04-08

---

[21] **2,980,715**
[13] A1
[51] **Int.Cl. E21B 21/06 (2006.01) B01D 21/26 (2006.01) C09K 8/02 (2006.01)**
[25] EN
[54] **REMOVAL OF FINE SOLIDS FROM OILFIELD FLUIDS**
[54] **ELIMINATION DE FINES PARTICULES SOLIDES DE FLUIDES DE CHAMP PETROLIFERE**
[72] NEWMAN, KATERINA V., US
[72] HARVEY, TIMOTHY N., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-09-22
[86] 2015-04-24 (PCT/US2015/027526)
[87] (WO2016/171718)

---

[21] **2,980,719**
[13] A1
[51] **Int.Cl. H04L 12/58 (2006.01) H04L 12/24 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR AUTOMATED MESSAGING**
[54] **TECHNIQUES DE MESSAGERIE AUTOMATISEE**
[72] SZETO, ANDREW EUGENE, US
[72] MEI, SHAWN C.P., US
[72] RAMIREZ, ALEXANDER DAVID, US
[71] FACEBOOK, INC., US
[85] 2017-09-22
[86] 2015-07-22 (PCT/US2015/041555)
[87] (WO2016/153539)
[30] US (62/138,341) 2015-03-25
[30] US (62/138,337) 2015-03-25
[30] US (62/138,344) 2015-03-25
[30] US (14/804,650) 2015-07-21

[21] **2,980,722**
[13] A1
[51] **Int.Cl. E21B 33/134 (2006.01) C09K 8/52 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **CONTROLLED DEGRADATION OF ELASTOMERS AND USE IN OILFIELD APPLICATIONS**
[54] **DEGRADATION CONTROLEE D'ELASTOMERES ET UTILISATION DANS DES APPLICATIONS DE CHAMP PETROLIFERE**
[72] ZHU, SHITONG S., US
[72] ROBISSON, AGATHE, US
[72] AUZERAIS, FRANCOIS M., US
[72] QU, MENG, US
[72] AMARANTE, MIRANDA, US
[72] DIAZ, CODY, US
[72] GODFREY, MATTHEW, US
[72] PABON, JAHIR, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2017-09-22
[86] 2016-03-02 (PCT/US2016/020412)
[87] (WO2016/153750)
[30] US (14/665,727) 2015-03-23

[21] **2,980,723**
[13] A1
[51] **Int.Cl. C12N 1/20 (2006.01) A01N 47/44 (2006.01) A01N 63/00 (2006.01) A01P 3/00 (2006.01) C07K 7/06 (2006.01) C12N 9/00 (2006.01) C12N 15/52 (2006.01) C12P 21/02 (2006.01) C12Q 1/00 (2006.01) C07K 7/50 (2006.01) C07K 11/00 (2006.01)**
[25] EN
[54] **A NOVEL PAENIBACILLUS STRAIN, ANTIFUNGAL COMPOUNDS, AND METHODS FOR THEIR USE**
[54] **NOUVELLE SOUCHE DE PAENIBACILLUS, COMPOSES ANTIFONGIQUES ET PROCEDES D'UTILISATION ASSOCIES**
[72] BEAU, JEREMY, US
[72] JOO, DANIEL M., US
[72] SCHWIENTEK, PATRICK, US
[72] TAYLOR, COLLEEN S., US
[72] TRAAG, BJORN A., US
[71] BAYER CROPSCIENCE LP, US
[85] 2017-09-22
[86] 2016-03-23 (PCT/US2016/023760)
[87] (WO2016/154297)
[30] US (62/138,765) 2015-03-26
[30] US (62/232,205) 2015-09-24

[21] **2,980,730**
[13] A1
[51] **Int.Cl. A61K 47/69 (2017.01) A61P 3/10 (2006.01) A61P 37/02 (2006.01) C07K 14/54 (2006.01)**
[25] EN
[54] **TOLEROGENIC NANOPARTICLES FOR TREATING DIABETES MELLITUS**
[54] **NANOPARTICULES TOLEROGENIQUES POUR LE TRAITEMENT DU DIABETE SUCRE**
[72] BORNAL, ADA YESTE, ES
[72] QUINTANA, FRANCISCO J., US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2017-09-22
[86] 2016-03-23 (PCT/US2016/023845)
[87] (WO2016/154362)
[30] US (62/136,897) 2015-03-23

[21] **2,980,731**
[13] A1
[51] **Int.Cl. B01F 7/16 (2006.01) B01F 3/12 (2006.01) B01F 7/22 (2006.01)**
[25] EN
[54] **BLENDER FOR MIXING AND PUMPING SOLIDS AND FLUIDS AND METHOD OF USE THEREOF**
[54] **MELANGEUR POUR MELANGER ET POMPER DES SOLIDES ET DES FLUIDES ET SON PROCEDE D'UTILISATION**
[72] CHONG, JONATHAN WUN SHIUNG, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2017-09-22
[86] 2016-03-17 (PCT/US2016/022733)
[87] (WO2016/153883)
[30] US (14/668,032) 2015-03-25

[21] **2,980,735**
[13] A1
[51] **Int.Cl. H01M 4/96 (2006.01) H01M 8/18 (2006.01)**
[25] EN
[54] **POROUS ELECTRODES AND ELECTROCHEMICAL CELLS AND LIQUID FLOW BATTERIES THEREFROM**
[54] **ELECTRODES POREUSES ET CELLULES ELECTROCHIMIQUES ET BATTERIES A FLUX LIQUIDE OBTENUES A PARTIR DE CELLES-CI**
[72] JOHNSTON, RAYMOND P., US
[72] YORDEM, ONUR S., US
[72] SITTER, BRETT J., US
[72] EATON, BRADLEY W., US
[72] WEBER, BRIAN T., US
[72] HAUGEN, GREGORY M., US
[72] ACHARYA, BHARAT R., US
[72] BARTLING, BRANDON A., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2017-09-22
[86] 2016-03-22 (PCT/US2016/023570)
[87] (WO2016/154195)
[30] US (62/137,563) 2015-03-24
[30] US (62/269,239) 2015-12-18

[21] **2,980,738**
[13] A1
[51] **Int.Cl. C11C 5/00 (2006.01)**
[25] EN
[54] **CANDLE PRODUCTS COMPRISING VEGETABLE OIL THAT IS LOW IN POLYUNSATURATION AND GELLING AGENT**
[54] **PRODUITS DE BOUGIE COMPRENANT DE L'HUILE VEGETALE A FAIBLE TENEUR EN POLYINSATURATION ET AGENT GELIFIANT**
[72] GRIMM, RUSSELL A., US
[71] CL PRODUCTS INTERNATIONAL, LLC, US
[85] 2017-09-22
[86] 2016-03-23 (PCT/US2016/023695)
[87] (WO2016/154259)
[30] US (62/138,138) 2015-03-25

[21] **2,980,751**
[13] A1
[51] **Int.Cl. C07K 16/08 (2006.01) A61K 39/42 (2006.01) A61P 31/20 (2006.01) C07K 16/46 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/62 (2006.01) C12N 15/85 (2006.01) C12P 21/08 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **MULTI-VALENT HEPATITIS B VIRUS ANTIGEN BINDING MOLECULES AND USES THEREOF**
[54] **MOLECULES DE LIAISON A UN ANTIGENE DU VIRUS DE L'HEPATITE B MULTIVALENTES ET UTILISATIONS DE CELLES-CI**
[72] CARROLL, STEPHEN F., US
[72] BALIGA, RAMESH, US
[72] NG, DEAN, US
[72] KEYT, BRUCE A., US
[71] IGM BIOSCIENCES, INC., US
[85] 2017-09-22
[86] 2016-03-25 (PCT/US2016/024348)
[87] (WO2016/154593)
[30] US (62/137,881) 2015-03-25

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[21] **2,980,760**
[13] A1
[51] **Int.Cl. A61F 2/46 (2006.01) A61B 90/00 (2016.01) A61B 17/17 (2006.01) A61F 2/38 (2006.01)**
[25] EN
[54] **KNEE INSTRUMENTS AND METHODS**
[54] **INSTRUMENTS ET PROCEDES POUR LE GENOU**
[72] GOBLE, E. MARLOWE, US
[72] CREGER, CARLYLE J., US
[72] TRIPLETT, DANIEL J., US
[71] GOBLE, E. MARLOWE, US
[85] 2017-09-22
[86] 2016-03-25 (PCT/US2016/024377)
[87] (WO2016/154606)
[30] US (62/138,307) 2015-03-25
[30] US (62/302,787) 2016-03-02

---

[21] **2,980,769**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2006.01)**
[25] EN
[54] **METHOD FOR DETECTING GENOMIC VARIATIONS USING CIRCULARISED MATE-PAIR LIBRARY AND SHOTGUN SEQUENCING**
[54] **PROCEDE POUR DETECTER DES VARIATIONS GENOMIQUES A L'AIDE DE BANQUES DE PAIRES D'APPARIEMENT CIRCULARISEES ET D'UN SEQUENCAGE ALEATOIRE**
[72] RUAN, YIJUN, US
[71] THE JACKSON LABORATORY, US
[85] 2017-09-22
[86] 2016-04-01 (PCT/US2016/025475)
[87] (WO2016/161236)
[30] US (62/142,088) 2015-04-02

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[21] **2,980,771**
[13] A1
[51] **Int.Cl. C12N 5/10 (2006.01) A01K 67/027 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01) C07K 19/00 (2006.01) C12N 5/16 (2006.01) C12N 15/12 (2006.01) C12N 15/62 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **HUMANIZED T CELL MEDIATED IMMUNE RESPONSES IN NON-HUMAN ANIMALS**
[54] **REPONSES IMMUNITAIRES MEDIEES PAR DES CELLULES T HUMANISEES DANS DES ANIMAUX NON HUMAINS**
[72] MACDONALD, LYNN, US
[72] MURPHY, ANDREW J., US
[72] GURER, CAGAN, US
[72] KYRATSOUS, CHRISTOS, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2017-09-22
[86] 2016-04-06 (PCT/US2016/026260)
[87] (WO2016/164492)
[30] US (62/143,687) 2015-04-06
[30] US (62/158,804) 2015-05-08
[30] US (62/186,935) 2015-06-30

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[21] **2,980,791**
[13] A1
[51] **Int.Cl. A61K 8/18 (2006.01) A61K 8/34 (2006.01) A61K 8/81 (2006.01) A61K 8/85 (2006.01) A61K 8/92 (2006.01) A61Q 9/02 (2006.01)**
[25] EN
[54] **SHAVING AID COMPOSITION**
[54] **COMPOSITION D'AIDE AU RASAGE**
[72] BOUSVAROS, GERASIMOS, GR
[72] ANTONIOU, ZOI, GR
[71] BIC-VIOLEX SA, GR
[85] 2017-09-25
[86] 2015-04-10 (PCT/EP2015/057826)
[87] (WO2016/162080)

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[21] **2,980,809**
[13] A1
[51] **Int.Cl. B32B 7/06 (2006.01) B32B 7/12 (2006.01) B32B 37/12 (2006.01) B65D 65/18 (2006.01) B65D 65/40 (2006.01)**
[25] EN
[54] **RECYCLABLE MATERIAL**
[54] **MATERIAU RECYCLABLE**
[72] GIUSTI, STEFANO, IT
[72] GIUSTI, MARTINA, IT
[71] GIMSA S.R.L., IT
[85] 2017-09-25
[86] 2015-03-31 (PCT/IB2015/052366)
[87] (WO2015/151027)
[30] IT (RM2014A000170) 2014-04-03

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[21] **2,980,824**
[13] A1
[51] **Int.Cl. A01N 43/50 (2006.01) A01N 25/32 (2006.01) A01N 37/22 (2006.01) A01N 41/10 (2006.01) A01N 43/40 (2006.01) A01N 43/56 (2006.01) A01N 43/70 (2006.01) A01N 43/80 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **HERBICIDAL MIXTURES**
[54] **MELANGES HERBICIDES**
[72] MORRIS, JAMES ALAN, GB
[72] BOEHMER, JUTTA ELISABETH, GB
[72] HENNESSY, ALAN JOSEPH, GB
[72] DESSON, TIMOTHY ROBERT, GB
[72] RUSSELL, SALLY ELIZABETH, GB
[72] RUSSELL, CLAIRE JANET, GB
[72] PICKETT, BRIAN, GB
[72] KALOUMENOS, NIKOLAOS, GB
[72] BALOGH, AKOS, CH
[71] SYNGENTA PARTICIPATIONS AG, CH
[85] 2017-09-25
[86] 2016-03-31 (PCT/EP2016/057096)
[87] (WO2016/162265)
[30] GB (1505852.2) 2015-04-07

[21] **2,980,836**
[13] A1
[51] **Int.Cl. C11D 3/386 (2006.01) C11D 1/83 (2006.01) C11D 3/00 (2006.01) C11D 3/395 (2006.01) C11D 7/00 (2006.01) C11D 7/42 (2006.01) C11D 7/54 (2006.01)**
[25] EN
[54] **POLYPEPTIDES SUITABLE FOR DETERGENT**
[54] **POLYPEPTIDES APPROPRIES POUR DETERGENT**
[72] BENIE, ASTRID, DK
[72] KNOTZEL, JURGEN C. F., DK
[72] BAUER, MIKAEL, DK
[72] CHRISTENSEN, LARS L. H., DK
[72] RANNES, JULIE B., DK
[72] SKAGERLIND, JAN PETER, SE
[72] GAO, NAN, CN
[71] NOVOZYMES A/S, DK
[85] 2017-09-25
[86] 2016-04-29 (PCT/EP2016/059669)
[87] (WO2016/174234)
[30] EP (15165808.5) 2015-04-29

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[21] **2,980,847**
[13] A1
[51] **Int.Cl. C12N 15/45 (2006.01) C07K 14/12 (2006.01) C12N 5/10 (2006.01) C12N 7/00 (2006.01) C12N 7/01 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **RECOMBINANT MUMPS VIRUS JERYL LYNN 2 BASED VACCINE**
[54] **VACCIN BASE SUR LE VIRUS RECOMBINANT DES OREILLONS JERYL LYNN 2**
[72] GLUECK, REINHARD, IN
[72] GIANNINO, VIVIANA, IN
[72] GUPTA, GAURAV, IN
[71] CADILA HEALTHCARE LIMITED, IN
[85] 2017-09-25
[86] 2016-03-28 (PCT/IN2016/000074)
[87] (WO2016/157208)
[30] IN (1055/MUM/2015) 2015-03-27

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[21] **2,980,852**
[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/10 (2006.01) C12Q 1/02 (2006.01)**
[25] EN
[54] **MEANS AND METHODS FOR GENERATION OF BREAST STEM CELLS**
[54] **MOYENS ET PROCEDES DE PRODUCTION DE CELLULES SOUCHES DE SEIN**
[72] SCHEEL, CHRISTINA H., DE
[72] LINNEMANN, JELENA R., DE
[72] MEIXNER, LISA K., DE
[72] MIURA, HARUKO, DE
[71] HELMHOLTZ ZENTRUM MUENCHEN DEUTSCHES FORSCHUNGSZENTRUM FUER GESUNDHEIT UND UMWELT (GMBH), DE
[85] 2017-09-25
[86] 2016-04-28 (PCT/IB2016/052407)
[87] (WO2016/174604)
[30] LU (92706) 2015-04-30

---

[21] **2,980,855**
[13] A1
[51] **Int.Cl. C09K 8/02 (2006.01) E21B 21/00 (2006.01)**
[25] EN
[54] **DOWNHOLE FLUIDS WITH A PARTICULAR IMPEDANCE**
[54] **FLUIDES DE FOND DE PUITS PRESENTANT UNE IMPEDANCE PARTICULIERE**
[72] RODNEY, PAUL F., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-09-25
[86] 2015-05-14 (PCT/US2015/030810)
[87] (WO2016/182576)

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[21] **2,980,856**
[13] A1
[51] **Int.Cl. C09K 8/12 (2006.01) C09K 8/08 (2006.01) E21B 21/14 (2006.01) E21B 7/04 (2006.01)**
[25] EN
[54] **DRILLING FLUID FOR USE IN HORIZONTAL DIRECTIONAL DRILLING OPERATIONS**
[54] **FLUIDE DE FORAGE DESTINE A ETRE UTILISE DANS DES OPERATIONS DE FORAGE HORIZONTAL DIRIGE**
[72] MAY, PRESTON ANDREW, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-09-25
[86] 2015-05-21 (PCT/US2015/031915)
[87] (WO2016/186670)

---

[21] **2,980,870**
[13] A1
[51] **Int.Cl. A01N 59/16 (2006.01) A01C 1/06 (2006.01) A01N 59/20 (2006.01) A01P 21/00 (2006.01)**
[25] EN
[54] **METHOD FOR STIMULATION OF SEEDS**
[54] **PROCEDE DE STIMULATION DE SEMENCES**
[72] PODLASKI, SLAWOMIR, PL
[72] TUL, ANDRZEJ, PL
[72] ORACZ, KRYSTYNA, PL
[72] CHOMONTOWSKI, CHRYSTIAN, PL
[72] MALEK, JAROSLAW, PL
[72] SIEJKO, PAWEL, PL
[71] NANO-TECH POLSKA SP. Z.O.O. SP. K., PL
[85] 2017-09-25
[86] 2016-05-25 (PCT/PL2016/000064)
[87] (WO2016/190762)
[30] PL (P.412471) 2015-05-25

[21] **2,980,878**
[13] A1
[51] **Int.Cl. C22C 38/38 (2006.01) C21D 8/00 (2006.01) C22C 38/02 (2006.01) C22C 38/26 (2006.01) C22C 38/28 (2006.01) C22C 38/32 (2006.01)**
[25] FR
[54] **PARTS WITH A BAINITIC STRUCTURE HAVING HIGH STRENGTH PROPERTIES AND MANUFACTURING PROCESS**
[54] **PIECES A STRUCTURE BAINITIQUE A HAUTES PROPRIETES DE RESISTANCE ET PROCEDE DE FABRICATION**
[72] PERROT-SIMONETTA, MARIE-THERESE, FR
[72] RESIAK, BERNARD, FR
[72] VOLL, ULRICH, DE
[71] ARCELORMITTAL, LU
[85] 2017-09-25
[86] 2016-03-23 (PCT/IB2016/000343)
[87] (WO2016/151390)
[30] IB (PCT/IB2015/000384) 2015-03-23

---

[21] **2,980,885**
[13] A1
[51] **Int.Cl. C07H 15/10 (2006.01) A23L 33/10 (2016.01) A61K 31/7032 (2006.01) A61K 33/24 (2006.01) A61K 45/06 (2006.01) A61P 21/00 (2006.01) A61P 25/00 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) C07H 11/04 (2006.01) C07H 13/04 (2006.01) C07H 15/06 (2006.01)**
[25] EN
[54] **GLYCOLIPIDS AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR USE IN THERAPY**
[54] **GLYCOLIPIDES ET LEURS COMPOSITIONS PHARMACEUTIQUES DESTINEES A ETRE UTILISEES EN THERAPIE**
[72] BOTTLEY, ANDREW, GB
[72] HAYES, CHRISTOPHER, GB
[72] SEYMOUR, GRAHAM, GB
[72] GRABAWSKA, ANNA, GB
[72] CLARKE, PHILIP, GB
[71] THE UNIVERSITY OF NOTTINGHAM, GB
[85] 2017-09-18
[86] 2015-04-07 (PCT/GB2015/051068)
[87] (WO2015/150839)
[30] GB (1406172.5) 2014-04-04

---

[21] **2,980,890**
[13] A1
[51] **Int.Cl. A61K 8/02 (2006.01)**
[25] EN
[54] **COSMETIC COMPOSITION CARRIER COMPRISING INEGRATED SPONGE HAVING LAYERED STRUCTURE**
[54] **VEHICULE DE COMPOSITION COSMETIQUE COMPRENANT UNE EPONGE INTEGREE AYANT UNE STRUCTURE EN COUCHES**
[72] CHOI, JUNG SUN, KR
[71] AMOREPACIFIC CORPORATION, KR
[85] 2017-09-25
[86] 2016-04-06 (PCT/KR2016/003564)
[87] (WO2016/163730)
[30] KR (10-2015-0049839) 2015-04-08

---

[21] **2,980,915**
[13] A1
[51] **Int.Cl. C12Q 1/70 (2006.01) C07H 21/04 (2006.01) C12Q 1/68 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR DETECTING A BIOLOGICAL CONTAMINANT**
[54] **COMPOSITIONS ET METHODES DE DETECTION D'UN CONTAMINANT BIOLOGIQUE**
[72] MONPOEHO, SERGE, US
[72] MINK, SHELDON, US
[72] VESCIO, PAUL, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2017-09-25
[86] 2016-03-25 (PCT/US2016/024216)
[87] (WO2016/160572)
[30] US (62/139,321) 2015-03-27

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[21] **2,980,919**
[13] A1
[51] **Int.Cl. E21B 43/26 (2006.01) C09K 8/64 (2006.01) C09K 8/70 (2006.01) C09K 8/80 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **FRACTURING FLUIDS AND METHODS OF TREATING HYDROCARBON FORMATIONS**
[54] **FLUIDES DE FRACTURATION ET PROCEDES DE TRAITEMENT DE FORMATIONS D'HYDROCARBURES**
[72] NELSON, SCOTT GREGORY, US
[72] ZHOU, JIA, US
[72] LI, LEIMING, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2017-09-25
[86] 2016-03-30 (PCT/US2016/024925)
[87] (WO2016/160927)
[30] US (62/140,105) 2015-03-30

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[21] **2,980,924**
[13] A1
[51] **Int.Cl. C09K 5/06 (2006.01) C07C 69/34 (2006.01) C07C 69/52 (2006.01)**
[25] EN
[54] **ALIPHATIC MATERIALS AND USES THEREOF IN HEATING AND COOLING APPLICATIONS**
[54] **MATERIAUX ALIPHATIQUE ET LEURS UTILISATIONS DANS DES APPLICATIONS DE CHAUFFAGE ET DE REFROIDISSEMENT**
[72] BERTIN, PAUL, US
[71] ELEVANCE RENEWABLE SCIENCES, INC., US
[85] 2017-09-25
[86] 2016-04-15 (PCT/US2016/027643)
[87] (WO2016/168527)
[30] US (62/148,263) 2015-04-16
[30] US (62/232,235) 2015-09-24

[21] **2,980,936**
[13] A1
[51] **Int.Cl. A61F 7/03 (2006.01) A61F 7/00 (2006.01) A61F 7/02 (2006.01) A61M 5/31 (2006.01) A61M 5/42 (2006.01)**
[25] EN
[54] **APPLICATOR FOR CRYOANESTHESIA AND ANALGESIA**
[54] **APPLICATEUR POUR CRYOANESTHESIE ET ANALGESIE**
[72] BESIRLI, CAGRI GIRAY, US
[72] SMITH, STEPHEN, US
[72] PIPE, KEVIN P., US
[72] KIM, GUN-HO, US
[71] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US
[85] 2017-09-25
[86] 2016-03-24 (PCT/US2016/023944)
[87] (WO2016/154399)
[30] US (62/138,444) 2015-03-26
[30] US (62/237,793) 2015-10-06

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[21] **2,980,942**
[13] A1
[51] **Int.Cl. C10M 109/00 (2006.01) C10M 159/02 (2006.01) C10M 173/00 (2006.01)**
[25] EN
[54] **MICROALGAL COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS DE MICRO-ALGUES ET LEURS UTILISATIONS**
[72] SCHIFF-DEB, CELINE, US
[72] MCKEE, ADRIENNE, US
[72] PIECHOCKI, JOHN, US
[72] SPRINGER, STACI, US
[72] SELL, GARRETT, US
[72] SULLIVAN, BRYCE A.R., US
[71] TERRAVIA HOLDINGS, INC., US
[85] 2017-09-25
[86] 2016-03-24 (PCT/US2016/024106)
[87] (WO2016/154490)
[30] US (62/137,784) 2015-03-24
[30] US (62/162,553) 2015-05-15
[30] US (62/175,014) 2015-06-12

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[21] **2,980,944**
[13] A1
[51] **Int.Cl. C02F 3/12 (2006.01) C02F 3/00 (2006.01) C02F 3/22 (2006.01)**
[25] EN
[54] **METHOD FOR BIOLOGICAL WASTEWATER PURIFICATION WITH PHOSPHOROUS REMOVAL**
[54] **PROCEDE DE PURIFICATION BIOLOGIQUE D'EAUX USEES PAR ELIMINATION DE PHOSPHORE**
[72] INGERLE, KURT, AT
[71] INGERLE, KURT, AT
[85] 2017-09-26
[86] 2016-02-24 (PCT/AT2016/050039)
[87] (WO2016/154646)
[30] AT (A 50261/2015) 2015-04-02

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[21] **2,980,960**
[13] A1
[51] **Int.Cl. C07K 7/06 (2006.01) C07K 1/06 (2006.01) C07K 1/18 (2006.01) C07K 1/30 (2006.01) C07K 1/34 (2006.01) C07K 1/36 (2006.01) C07K 5/083 (2006.01) C07K 5/11 (2006.01) A61K 38/08 (2006.01) A61P 3/14 (2006.01) A61P 5/18 (2006.01) A61P 5/20 (2006.01)**
[25] EN
[54] **SOLUTION PHASE METHOD FOR PREPARING ETELCALCETIDE**
[54] **PROCEDE DE PREPARATION D'ETELCALCETIDE EN PHASE SOLUBLE**
[72] CUI, SHENG, US
[72] RANGANATHAN, KRISHNAKUMAR, US
[72] CROCKETT, RICHARD, US
[72] CHEN, YING, US
[72] SWIETLOW, ALEKSANDER, US
[72] CROSSLEY, KEVIN, US
[72] SHI, YUN, US
[72] DECROOS, KAREL, BE
[72] MONIOTTE, ETIENNE, BE
[71] AMGEN INC., US
[85] 2017-09-25
[86] 2016-03-25 (PCT/US2016/024308)
[87] (WO2016/154580)
[30] US (62/138,903) 2015-03-26

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[21] **2,980,969**
[13] A1
[51] **Int.Cl. C09K 5/04 (2006.01)**
[25] EN
[54] **NON OZONE DEPLETING AND LOW GLOBAL WARMING REFRIGERANT BLENDS**
[54] **MELANGES DE FLUIDES FRIGORIGENES N'APPAUVRISSANT PAS L'OZONE ET A FAIBLE POTENTIEL DE RECHAUFFEMENT DE LA PLANETE**
[72] POOLE, JOHN EDWARD, GB
[72] POWELL, RICHARD, GB
[71] RPL HOLDINGS LIMITED, GB
[85] 2017-09-26
[86] 2016-03-23 (PCT/GB2016/050827)
[87] (WO2016/156812)
[30] GB (1505230.1) 2015-03-27
[30] GB (1602586.8) 2016-02-12

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[21] **2,980,973**
[13] A1
[51] **Int.Cl. H01M 8/0282 (2016.01) H01M 8/0276 (2016.01) H01M 8/2483 (2016.01) C25B 9/00 (2006.01) C25B 9/04 (2006.01) C25B 9/18 (2006.01)**
[25] EN
[54] **ARRANGEMENT OF ELECTROCHEMICAL CELLS AND THE USE OF SAME**
[54] **ENSEMBLE DE CELLULES ELECTROCHIMIQUES AINSI EMPLOI DUDIT ENSEMBLE**
[72] MEGEL, STEFAN, DE
[72] SCHADT, LUTZ, DE
[72] KUSNEZOFF, MIHAILS, DE
[72] SCHILM, JOCHEN, DE
[72] TROFIMENKO, NIKOLAI, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2017-09-26
[86] 2016-03-23 (PCT/EP2016/056360)
[87] (WO2016/156145)
[30] DE (10 2015 205 728.3) 2015-03-30
[30] DE (10 2015 205 944.8) 2015-04-01

[21] **2,980,975**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61K 31/713 (2006.01) C12N 15/10 (2006.01) C12N 15/87 (2006.01) C07H 21/02 (2006.01)**
[25] EN
[54] **C/EBP ALPHA SARNA COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS DE SARNA C/EBP ALPHA ET METHODES D'UTILISATION**
[72] WAGNER, ANDREAS, AT
[72] HABIB, ROBERT, GB
[72] HUBER, HANS E., US
[72] SÆTROM, PAL, NO
[72] STOVNER, ENDRE BAKKEN, NO
[72] HOSSBACH, MARKUS, DE
[72] KRAMPERT, MONIKA, DE
[72] VORNLOCHER, HANS-PETER, DE
[71] MINA THERAPEUTICS LIMITED, GB
[85] 2017-09-26
[86] 2016-04-21 (PCT/GB2016/051117)
[87] (WO2016/170349)
[30] US (62/235,778) 2015-10-01
[30] US (62/150,889) 2015-04-22
[30] US (62/308,521) 2016-03-15

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[21] **2,980,981**
[13] A1
[51] **Int.Cl. E21B 37/00 (2006.01) C08J 11/06 (2006.01) C09K 8/52 (2006.01) C09K 8/80 (2006.01) E21B 21/00 (2006.01) E21B 43/26 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **CASING FLUSH FLUID, RECYCLABLE CLEANOUT FLUIDS, AND APPLICATIONS THEREOF**
[54] **FLUIDE DE RINCAGE DE TUBAGE, FLUIDES DE NETTOYAGE RECYCLABLES, ET APPLICATIONS ASSOCIEES**
[72] NELSON, SCOTT G., US
[72] LI, LEIMING, US
[72] SUN, HONG, US
[72] ZHOU, JIA, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2017-09-25
[86] 2016-03-30 (PCT/US2016/024861)
[87] (WO2016/160899)
[30] US (62/140,105) 2015-03-30

---

[21] **2,980,982**
[13] A1
[51] **Int.Cl. C12N 7/01 (2006.01) A61K 39/00 (2006.01) A61K 39/12 (2006.01) C07K 14/08 (2006.01) C12N 7/00 (2006.01) C12N 15/40 (2006.01) C12Q 1/68 (2006.01) C12Q 1/70 (2006.01)**
[25] EN
[54] **IPN VIRUS GENOME MUTATIONS AND CODON INTERACTIONS**
[54] **MUTATIONS DU GENOME DU VIRUS DE LA NPI ET INTERACTIONS DES CODONS**
[72] EVENSEN, OYSTEIN, NO
[71] FVG LIMITED, GB
[85] 2017-09-26
[86] 2016-03-22 (PCT/GB2016/050797)
[87] (WO2016/156799)
[30] GB (1505310.1) 2015-03-27

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[21] **2,980,988**
[13] A1
[51] **Int.Cl. E21B 43/26 (2006.01) C09K 8/50 (2006.01) E21B 33/138 (2006.01)**
[25] EN
[54] **USE OF SUPERABSORBENT POLYMERS FOR PRESSURE CONTROL AND DIVERSION APPLICATIONS**
[54] **UTILISATION DE POLYMERES SUPERABSORBANTS POUR DES APPLICATIONS DE DERIVATION ET DE REGULATION DE PRESSION**
[72] ZHOU, JIA, US
[72] BRANNON, HAROLD DEAN, US
[72] CARMAN, PAUL S., US
[72] LI, LEIMING, US
[72] STARKS, THOMAS RAY, II., US
[72] GUPTA, D.V. SATYANARAYANA, US
[72] HUDSON, HAROLD G., US
[72] NELSON, SCOTT G., US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2017-09-25
[86] 2016-03-30 (PCT/US2016/024868)
[87] (WO2016/160904)
[30] US (62/140,105) 2015-03-30

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[21] **2,980,998**
[13] A1
[51] **Int.Cl. B28C 5/00 (2006.01) B28C 7/02 (2006.01) B28C 7/12 (2006.01) C09K 8/48 (2006.01) E21B 33/13 (2006.01) E21B 33/14 (2006.01)**
[25] EN
[54] **BEAD SUSPENSION MIXING WITH CEMENT SLURRY**
[54] **MELANGE DE SUSPENSION DE BILLES AVEC DU LAITIER DE CIMENT**
[72] MENDENALL, PAUL, US
[72] BRENNEIS, CHAD, US
[72] MORGAN, RICKEY, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-09-26
[86] 2015-04-28 (PCT/US2015/027870)
[87] (WO2016/175754)

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[21] **2,981,001**
[13] A1
[51] **Int.Cl. B22F 3/16 (2006.01) B22F 5/00 (2006.01) E21B 21/00 (2006.01) F04C 2/08 (2006.01)**
[25] EN
[54] **SINTERING A MULTI-LOBED HELICAL ROTOR**
[54] **FRITTAGE D'UN ROTOR HELICOIDAL A LOBES MULTIPLES**
[72] PEER, RICHARD DAVID, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-09-26
[86] 2015-05-04 (PCT/US2015/029070)
[87] (WO2016/178663)

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[21] **2,981,008**
[13] A1
[51] **Int.Cl. C22C 49/14 (2006.01) C22C 47/00 (2006.01)**
[25] EN
[54] **ULTRAHIGH TEMPERATURE ELASTIC METAL COMPOSITES**
[54] **COMPOSITES METALLIQUE ELASTIQUE POUR TEMPERATURE TRES ELEVEE**
[72] XU, ZHIYUE, US
[72] YU, CHENGJIAO, US
[72] ZHAO, LEI, US
[72] WANG, KE, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2017-09-26
[86] 2016-02-25 (PCT/US2016/019551)
[87] (WO2016/160188)
[30] US (14/676,864) 2015-04-02

[21] **2,981,062**
[13] A1
[51] **Int.Cl. C08L 83/04 (2006.01) B33Y 40/00 (2015.01) B29C 64/124 (2017.01) A61C 13/00 (2006.01) C08J 5/18 (2006.01) C08K 5/00 (2006.01) C08L 23/06 (2006.01) C08L 23/12 (2006.01) C08L 69/00 (2006.01)**
[25] EN
[54] **THREE-DIMENSIONAL FABRICATING SYSTEMS RAPIDLY PRODUCING OBJECTS**
[54] **SYSTEMES DE FABRICATION EN TROIS DIMENSIONS PRODUISANT RAPIDEMENT DES OBJETS**
[72] SUN, BENJAMIN JIEMIN, US
[72] LICHKUS, ANDREW M., US
[71] DENTSPLY SIRONA INC., US
[85] 2017-09-26
[86] 2016-03-31 (PCT/US2016/025401)
[87] (WO2016/161194)
[30] US (62/140,868) 2015-03-31

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[21] **2,981,072**
[13] A1
[51] **Int.Cl. B32B 7/12 (2006.01) B32B 27/34 (2006.01) B32B 37/12 (2006.01)**
[25] EN
[54] **MULTI-PLY FILMS FOR STERILIZATION OR PASTEURIZATION PROCESSES**
[54] **FILMS A COUCHES MULTIPLES POUR PROCESSUS DE STERILISATION OU DE PASTEURISATION**
[72] KOMRO, RONALD W., US
[72] RAY, JAMES DONALD, II, US
[72] SHERRILL, AMY WHITEMAN, US
[72] KNIGHT, MICKEL ERNST, US
[72] HOUCK, JUSTIN EDWARD, US
[71] PRINTPACK ILLINOIS, INC., US
[85] 2017-09-26
[86] 2016-04-01 (PCT/US2016/025642)
[87] (WO2016/161330)
[30] US (62/141,783) 2015-04-01

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[21] **2,981,099**
[13] A1
[51] **Int.Cl. B32B 7/02 (2006.01) B32B 27/08 (2006.01) B32B 27/32 (2006.01)**
[25] EN
[54] **RECYCLABLE POLYETHYLENE FILM**
[54] **PELLICULE DE POLYETHYLENE RECYCLABLE**
[72] GREFENSTEIN, ACHIM, DE
[72] BUTTNER, STEFAN, DE
[72] GEILLERSDORFER, INGO, DE
[71] CONSTANTIA HUECK FOLIEN GMBH & CO. KG, DE
[85] 2017-09-27
[86] 2016-03-29 (PCT/EP2016/056767)
[87] (WO2016/156293)
[30] AT (A 50249/2015) 2015-03-27

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[21] **2,981,100**
[13] A1
[51] **Int.Cl. B01J 2/04 (2006.01) A61K 9/14 (2006.01) A61K 31/56 (2006.01) A61J 3/00 (2006.01)**
[25] EN
[54] **CONTINUOUS PRODUCTION OF PARTICLES**
[54] **PRODUCTION CONTINUE DE PARTICULES**
[72] FONSECA, TIAGO, PT
[72] DUARTE, IRIS, PT
[72] TEMTEM, MARCIO, PT
[72] VICENTE, JOAO, PT
[71] HOVIONE SCIENTIA LIMITED, IE
[85] 2017-09-27
[86] 2016-03-30 (PCT/GB2016/050894)
[87] (WO2016/156841)
[30] PT (108368) 2015-03-31

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[21] **2,981,113**
[13] A1
[51] **Int.Cl. C09J 133/06 (2006.01) C09J 125/00 (2006.01)**
[25] EN
[54] **AQUEOUS COLD SEAL ADHESIVE**
[54] **COLLE A FROID AQUEUSE**
[72] NABIFAR, AFSANEH, DE
[72] SCHUMACHER, KARL-HEINZ, DE
[72] KUNTZ, ANDREA, DE
[72] KIENER, CHRISTOPH, DE
[72] BEK, MARTIN, NL
[71] BASF SE, DE
[85] 2017-09-27
[86] 2016-04-08 (PCT/EP2016/057724)
[87] (WO2016/169788)
[30] EP (15164275.8) 2015-04-20

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[21] **2,981,115**
[13] A1
[51] **Int.Cl. C12N 15/13 (2006.01) A61K 39/395 (2006.01) A61P 19/08 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) C12N 5/10 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTI-DKK-1-ANTI-RANKL BISPECIFIC ANTIBODY COMPOUNDS**
[54] **COMPOSES D'ANTICORPS BISPECIFIQUES ANTI-DKK-1-ANTI-RANKL**
[72] KORYTKO, ANDREW, US
[72] OBUNGU, VICTOR H, US
[71] ELI LILLY AND COMPANY, US
[85] 2017-09-26
[86] 2016-05-12 (PCT/US2016/032108)
[87] (WO2016/186957)
[30] US (62/163,044) 2015-05-18

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[21] **2,981,121**
[13] A1
[51] **Int.Cl. C08F 236/10 (2006.01) C08F 2/00 (2006.01) C08F 8/00 (2006.01) C08J 3/24 (2006.01) C08K 3/04 (2006.01) C08K 3/36 (2006.01) C08L 9/06 (2006.01)**
[25] EN
[54] **INITIATORS FOR THE COPOLYMERISATION OF DIENE MONOMERS AND VINYL AROMATIC MONOMERS**
[54] **INITIATEURS POUR LA COPOLYMERISATION DE MONOMERES DIENIQUES ET DE MONOMERES AROMATIQUES VINYLIQUES**
[72] JANOWSKI, BARTLOMIEJ, PL
[72] KOZAK, RADOSLAW, PL
[72] WEDA, PAWEL, PL
[72] ROBAK, BARBARA, PL
[71] SYNTHOS S.A., PL
[85] 2017-09-27
[86] 2016-04-08 (PCT/EP2016/057757)
[87] (WO2016/162482)
[30] EP (15461524.9) 2015-04-10

[21] **2,981,124**
[13] A1
[51] **Int.Cl. B32B 3/06 (2006.01) B60J 10/70 (2016.01) B32B 17/06 (2006.01) C03C 17/34 (2006.01) B60J 1/10 (2006.01)**
[25] EN
[54] **PANE WITH THERMAL-RADIATION-REFLECTING COATING AND FASTENING OR SEALING ELEMENT ATTACHED THERETO**
[54] **VITRE POURVUE D'UN REVETEMENT REFLECHISSANT UN RAYONNEMENT THERMIQUE, ET ELEMENT DE FIXATION OU D'ETANCHEITE MONTE SUR CETTE VITRE**
[72] MANZ, FLORIAN, DE
[72] HAGEN, JAN, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2017-09-27
[86] 2016-05-10 (PCT/EP2016/060475)
[87] (WO2016/184732)
[30] EP (15167777.0) 2015-05-15

[21] **2,981,128**
[13] A1
[51] **Int.Cl. C08F 236/04 (2006.01) B60C 1/00 (2006.01) C08F 230/08 (2006.01) C08K 3/04 (2006.01) C08K 3/36 (2006.01) C08L 9/06 (2006.01)**
[25] EN
[54] **ELASTOMERIC COPOLYMERS BASED ON [BIS (TRIHYDROCARBYLSILYL) AMINOSILYL]-FUNCTIONALIZED STYRENE AND THEIR USE IN THE PREPARATION OF RUBBERS**
[54] **COPOLYMERES ELASTOMERES A BASE DE STYRENE FONCTIONNALISE PAR UN GROUPE BIS (TRIHYDROCARBYLSILYL) AMINOSILYLE ET LEUR UTILISATION DANS LA PREPARATION DE CAOUTCHOUCS**
[72] JANOWSKI, BARTLOMIEJ, PL
[72] ROGOZA, JAROSLAW, PL
[72] KOZAK, RADOSLAW, PL
[72] WEDA, PAWEL, PL
[72] ROBAK, BARBARA, PL
[71] SYNTHOS S.A., PL
[85] 2017-09-27
[86] 2016-04-08 (PCT/EP2016/057834)
[87] (WO2016/162528)
[30] EP (15461525.6) 2015-04-10

[21] **2,981,160**
[13] A1
[51] **Int.Cl. C07H 21/00 (2006.01) C12P 19/34 (2006.01) C12N 15/53 (2006.01)**
[25] EN
[54] **PCR AMPLIFICATION METHODS AND KITS FOR DETECTING AND QUANTIFYING SULFATE-REDUCING BACTERIA**
[54] **PROCEDES ET TROUSSES DE REACTION D'AMPLIFICATION EN CHAINE PAR POLYMERASE (PCR) POUR LA DETECTION ET LA QUANTIFICATION DE BACTERIES SULFATO-REDUCTRICES**
[72] LEE, CRYSTAL, US
[72] SHARMA, NEIL, US
[72] REEVES, ANGELA, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2017-09-06
[86] 2016-03-11 (PCT/US2016/022098)
[87] (WO2016/145361)
[30] US (62/132,170) 2015-03-12
[30] US (15/066,558) 2016-03-10

[21] **2,981,162**
[13] A1
[51] **Int.Cl. C08J 9/02 (2006.01) C08G 65/36 (2006.01)**
[25] FR
[54] **THERMOSET FOAMS AND MANUFACUTRING PROCESS**
[54] **MOUSSES THERMODURCIES ET PROCEDE DE FABRICATION**
[72] SAVONNET, MARIE, FR
[72] SALOMON, PIERRE, FR
[72] OBERT, EDOUARD, FR
[71] SAINT-GOBAIN ISOVER, FR
[85] 2017-09-27
[86] 2016-04-19 (PCT/FR2016/050906)
[87] (WO2016/174328)
[30] FR (1553771) 2015-04-27

[21] **2,981,182**
[13] A1
[51] **Int.Cl. C09K 8/80 (2006.01)**
[25] EN
[54] **HARD AND SALT WATER RESISTANT SELF SUSPENDING PROPPANTS**
[54] **AGENTS DE SOUTENEMENT EN AUTO-SUSPENSION DURS ET RESISTANTS A L'EAU SALEE**
[72] ABOUSHABANA, MOUSTAFA, US
[72] JOSYULA, KANTH V., US
[72] YANG, HUAXIANG, US
[72] MEHTA, VINAY, US
[71] SELF-SUSPENDING PROPPANT LLC, US
[85] 2017-09-27
[86] 2016-04-06 (PCT/US2016/026166)
[87] (WO2016/164426)
[30] US (62/144,775) 2015-04-08

[21] **2,981,194**
[13] A1
[51] **Int.Cl. C08L 33/12 (2006.01) C08F 2/00 (2006.01) C08J 3/24 (2006.01) C08J 9/04 (2006.01)**
[25] EN
[54] **PRODUCTION OF A PMMA FOAM USING CROSS-LINKING AGENTS, REGULATORS AND BLOWING AGENTS**
[54] **FABRICATION D'UNE MOUSSE DE PMMA PAR L'UTILISATION D'AGENTS RETICULANTS, DE REGULATEURS ET D'AGENTS GONFLANTS**
[72] RICHTER, THOMAS, DE
[72] SEIPEL, CHRISTOPH, DE
[72] BERNHARD, KAY, DE
[72] KRISHNAMOORTHY, SIVAKUMARA K., DE
[72] BUHLER, SEBASTIAN, DE
[71] EVONIK ROHM GMBH, DE
[85] 2017-09-28
[86] 2016-03-21 (PCT/EP2016/056085)
[87] (WO2016/156078)
[30] EP (15161898.0) 2015-03-31

[21] **2,981,210**
[13] A1
[51] **Int.Cl. C08L 7/00 (2006.01) B60C 1/00 (2006.01) C08J 3/24 (2006.01) C08K 3/06 (2006.01) C08K 5/14 (2006.01) C08L 23/16 (2006.01)**
[25] EN
[54] **CROSSLINKABLE RUBBER COMPOSITION**
[54] **COMPOSITION DE CAOUTCHOUC RETICULABLE**
[72] CAO, WEIQI, CN
[72] XU, SHAOGANG, CN
[72] BEEK, WALDO JOSEPH ELISABETH, NL
[72] TALMA, AUKE GERARDUS, NL
[72] VAN DER SCHUUR, JAN MARTIJN, NL
[72] WILLINK, DAAN, NL
[71] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL
[85] 2017-09-28
[86] 2016-04-20 (PCT/EP2016/058687)
[87] (WO2016/169945)
[30] CN (PCT/CN2015/077277) 2015-04-23
[30] EP (15172278.2) 2015-06-16

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[21] **2,981,221**
[13] A1
[51] **Int.Cl. C08L 33/12 (2006.01) C08F 2/00 (2006.01) C08J 9/04 (2006.01) C08K 3/36 (2006.01)**
[25] EN
[54] **PRODUCTION OF FINE-PORED PMMA FOAMS USING NUCLEATING AGENTS**
[54] **FABRICATION DE MOUSSES DE PMMA A PORES FINS PAR L'UTILISATION D'AGENTS DE NUCLEATION**
[72] RICHTER, THOMAS, DE
[72] SEIPEL, CHRISTOPH, DE
[72] BERNHARD, KAY, DE
[72] KRISHNAMOORTHY, SIVAKUMARA K., DE
[72] BUHLER, SEBASTIAN, DE
[71] EVONIK ROHM GMBH, DE
[85] 2017-09-28
[86] 2016-03-24 (PCT/EP2016/056477)
[87] (WO2016/156172)
[30] EP (15161905.3) 2015-03-31

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[21] **2,981,243**
[13] A1
[51] **Int.Cl. C22B 7/04 (2006.01) C04B 5/00 (2006.01) C04B 7/153 (2006.01) C22B 4/00 (2006.01) C22C 32/00 (2006.01)**
[25] EN
[54] **IMPROVED SLAG FROM NON-FERROUS METAL PRODUCTION**
[54] **SCORIES AMELIOREES PROVENANT D'UNE PRODUCTION DE METAUX NON FERREUX**
[72] CHINTINNE, MATHIAS, BE
[72] GEENEN, CHARLES, BE
[72] GORIS, DIRK, BE
[71] METALLO BELGIUM, BE
[85] 2017-09-28
[86] 2016-03-30 (PCT/EP2016/056916)
[87] (WO2016/156394)
[30] EP (15248015.8) 2015-04-03

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[21] **2,981,325**
[13] A1
[51] **Int.Cl. B32B 27/16 (2006.01) B32B 27/08 (2006.01)**
[25] EN
[54] **MULTILAYER SHRINK FILM WITH SCISSION LAYER**
[54] **FILM RETRACTABLE MULTICOUCHE A COUCHE DE SCISSION**
[72] SHI, GUANGDA, US
[72] BORMANN, KURT, US
[71] CLYSAR LLC, US
[85] 2017-09-28
[86] 2016-03-31 (PCT/US2016/025112)
[87] (WO2016/161048)
[30] US (62/142,305) 2015-04-02

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[21] **2,981,362**
[13] A1
[51] **Int.Cl. C08L 101/12 (2006.01) B32B 27/08 (2006.01) B32B 37/15 (2006.01) B41M 5/50 (2006.01) C08J 5/18 (2006.01) C09J 7/02 (2006.01) G09F 3/02 (2006.01)**
[25] EN
[54] **NON-PVC LABEL FILM FOR PRINTING**
[54] **FILM NON CONSTITUE DE PVC POUR ETIQUETTE, DESTINE A L'IMPRESSION**
[72] WANG, SHANSHAN, US
[72] ARNETT, MELISSA, US
[72] BLAND, DAVID G., US
[72] CHEN, WEN-LI A., US
[72] XU, BEN, US
[71] AVERY DENNISON CORPORATION, US
[85] 2017-09-28
[86] 2016-04-14 (PCT/US2016/027401)
[87] (WO2016/168387)
[30] US (62/147,691) 2015-04-15
[30] US (62/300,165) 2016-02-26

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[21] **2,981,370**
[13] A1
[51] **Int.Cl. C09K 8/528 (2006.01) C02F 5/10 (2006.01) E21B 37/06 (2006.01) E21B 43/28 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHOD FOR INHIBITION OF SULFIDE SCALES**
[54] **COMPOSITION ET PROCEDE PERMETTANT D'INHIBER LES DEPOTS SULFURES**
[72] OKOCHA, CYRIL EMEKA, US
[72] WYLDE, JONATHAN, US
[71] CLARIANT INTERNATIONAL LTD, CH
[85] 2017-09-29
[86] 2016-03-01 (PCT/EP2016/054293)
[87] (WO2016/155967)
[30] US (14/677,500) 2015-04-02
[30] EP (15001250.8) 2015-04-28

[21] **2,981,374**
[13] A1
[51] **Int.Cl. B22C 9/02 (2006.01) B21J 5/00 (2006.01) B22D 27/04 (2006.01)**
[25] FR
[54] **SAND SHELL-MOULDING METHOD FOR THE PRODUCTION OF A PART FOR USE IN THE AUTOMOTIVE AND AERONAUTICS FIELDS**
[54] **PROCEDE DE MOULAGE EN CARAPACE SABLE POUR LA REALISATION D'UNE PIECE DANS LE DOMAINE DE L'AUTOMOBILE ET DE L'AERONAUTIQUE**
[72] DI SERIO, EMILE THOMAS, FR
[72] MALHERBE, GUILLAUME, FR
[72] DUPERRAY, LIONEL, FR
[71] SAINT JEAN INDUSTRIES, FR
[85] 2017-09-29
[86] 2016-03-16 (PCT/FR2016/050579)
[87] (WO2016/156692)
[30] FR (1552788) 2015-04-01

[21] **2,981,396**
[13] A1
[51] **Int.Cl. C23F 11/173 (2006.01)**
[25] EN
[54] **PROCESS FOR INHIBITING THE CORROSION OF METAL SURFACES**
[54] **PROCEDE POUR INHIBER LA CORROSION DE SURFACES METALLIQUES**
[72] ODIOT, KARINE, DE
[71] BASF SE, DE
[85] 2017-09-29
[86] 2016-04-04 (PCT/EP2016/057348)
[87] (WO2016/162307)
[30] EP (15163196.7) 2015-04-10

[21] **2,981,440**
[13] A1
[51] **Int.Cl. A61K 9/16 (2006.01) A61J 3/02 (2006.01) A61K 47/26 (2006.01)**
[25] EN
[54] **PROCESS FOR MANUFACTURING DRY POWDER BLENDS**
[54] **PROCEDE POUR LA FABRICATION DE MELANGES DE POUDRES SECHES**
[72] GUPTA, ABHISHEK, US
[72] CHIOU, HERBERT CLARK, US
[72] DE, SAMIRAN, US
[72] KOPPENHAGEN, FRANCISCUS, US
[72] ZENG, XIAN-MING, US
[71] LUPIN ATLANTIS HOLDINGS SA, CH
[85] 2017-09-29
[86] 2016-04-01 (PCT/IB2016/000418)
[87] (WO2016/156970)
[30] IN (380/KOL/2015) 2015-04-01

[21] **2,981,445**
[13] A1
[51] **Int.Cl. C08L 67/04 (2006.01) B33Y 70/00 (2015.01) B29C 67/00 (2017.01) B29C 67/24 (2006.01) C08J 3/20 (2006.01) C08K 11/00 (2006.01)**
[25] EN
[54] **COMPOSITE MATERIAL COMPRISING AT LEAST ONE THERMOPLASTIC RESIN AND GRANULAR SHIVE FROM HEMP AND / OR FLAX**
[54] **MATERIAU COMPOSITE COMPRENANT AU MOINS UNE RESINE THERMOPLASTIQUE ET DE LA CHENEVOTTE GRANULAIRE DE CHANVRE ET/OU DE LIN**
[72] MILAZZO, GIOVANNI, IT
[71] MICA S.R.L., IT
[85] 2017-09-29
[86] 2016-04-01 (PCT/IB2016/051882)
[87] (WO2016/157151)
[30] IT (102015000010935) 2015-04-03

[21] **2,981,481**
[13] A1
[51] **Int.Cl. H01M 4/133 (2010.01) H01M 4/1393 (2010.01) B82Y 30/00 (2011.01) H01M 4/62 (2006.01) H01M 10/0525 (2010.01)**
[25] EN
[54] **HIGH CAPACITY ELECTRODES**
[54] **ELECTRODES A HAUTE CAPACITE**
[72] HONG, HAIPING, US
[72] SALEM, DAVID R., US
[72] CHRISTENSEN, GREGORY LEE, US
[72] YANG, RUIDONG, US
[71] SOUTH DAKOTA BOARD OF REGENTS, US
[85] 2017-09-29
[86] 2015-04-25 (PCT/US2015/027682)
[87] (WO2015/164848)
[30] US (61/984,118) 2014-04-25
[30] US (62/094,709) 2014-12-19

[21] **2,981,567**
[13] A1
[51] **Int.Cl. B32B 3/08 (2006.01) B32B 15/14 (2006.01) B32B 37/18 (2006.01) B60J 5/04 (2006.01) C23C 30/00 (2006.01)**
[25] EN
[54] **PANEL FOR VEHICLE COMPRISING A COATED STEEL SHEET LOCALLY REINFORCED**
[54] **PANNEAU POUR VEHICULE COMPRENANT UNE TOLE D'ACIER REVETUE LOCALEMENT RENFORCEE**
[72] DOSDAT, LAURENCE, FR
[72] AMBLARD, MATTHIEU, FR
[71] ARCELORMITTAL, LU
[85] 2017-10-02
[86] 2016-03-22 (PCT/IB2016/000332)
[87] (WO2016/156959)
[30] IB (PCT/IB2015/000422) 2015-03-31

[21] **2,981,570**
[13] A1
[51] **Int.Cl. A61F 2/02 (2006.01) A61K 35/747 (2015.01) A61K 9/00 (2006.01) A61K 38/43 (2006.01) A61L 31/16 (2006.01) A61M 31/00 (2006.01)**
[25] FR
[54] **IMPLANTABLE INTESTINAL REACTOR**
[54] **REACTEUR INTESTINAL IMPLANTABLE**
[72] CINQUIN, PHILIPPE, FR
[72] SCHNEIDER, DOMINIQUE, FR
[72] MAURIN, MAX, FR
[72] MARTIN, DONALD, FR
[72] EL ICHI, SARRA, FR
[72] ZEBDA, ABDELKADER, FR
[72] ALCARAZ, JEAN-PIERRE, FR
[72] RECHE, FABIAN, FR
[72] TUVIGNON, PATRICK, FR
[72] THELU, JACQUES, FR
[72] LE GOUELLEC, AUDREY, FR
[72] TOUSSAINT, BERTRAND, FR
[71] UNIVERSITE GRENOBLE ALPES, FR
[71] CENTRE HOSPITALIER UNIVERSITAIRE GRENOBLE, FR
[85] 2017-10-02
[86] 2016-04-04 (PCT/EP2016/057304)
[87] (WO2016/156612)
[30] FR (1552927) 2015-04-03

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[21] **2,981,588**
[13] A1
[51] **Int.Cl. A01N 1/02 (2006.01)**
[25] EN
[54] **ORGAN PRESERVATION COMPOSITION**
[54] **COMPOSITION DE CONSERVATION D'ORGANE**
[72] DOORSCHODT, BENEDICT MARIE, NL
[71] TX INNOVATIONS B.V., NL
[85] 2017-10-02
[86] 2016-04-01 (PCT/NL2016/050228)
[87] (WO2016/159773)
[30] NL (2014584) 2015-04-03

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[21] **2,981,601**
[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) A61K 9/48 (2006.01) A61K 47/12 (2006.01) A61K 47/20 (2006.01) A61K 47/38 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS CONTAINING IBRUTINIB**
[54] **COMPOSITIONS CONTENANT DE L'IBRUTINIB**
[72] GOLE, DILIP, US
[72] GUPTA, MANISH KUMAR, IN
[72] TAMBWEKAR, KAUSTUBH, BE
[72] NAIR, BINURAJ KRISHNAN, IN
[72] BERNINI, MARISTELLA, BE
[72] INGHELBRECHT, SABINE, BE
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2017-10-02
[86] 2016-04-06 (PCT/US2016/026134)
[87] (WO2016/164404)
[30] US (62/143,659) 2015-04-06

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[21] **2,981,610**
[13] A1
[51] **Int.Cl. H01M 2/10 (2006.01) H01M 10/6235 (2014.01) H01M 10/658 (2014.01) H01R 13/52 (2006.01) H02J 7/00 (2006.01) H02P 6/20 (2016.01) H05K 1/00 (2006.01) H05K 5/06 (2006.01) H05K 7/20 (2006.01) A61B 17/14 (2006.01) A61B 17/16 (2006.01)**
[25] EN
[54] **AUTOCLAVE TOLERANT BATTERY POWERED MOTORIZED SURGICAL HAND PIECE TOOL AND MOTOR CONTROL METHOD**
[54] **OUTIL DE PIECE A MAIN CHIRURGICAL, MOTORISE ET ALIMENTE PAR BATTERIE SUPPORTANT L'AUTOCLAVE ET PROCEDE DE COMMANDE DE MOTEUR**
[72] MACDONALD, ALISTAIR M., US
[72] SIEH, JOHN K., US
[72] DECESARE, MICHAEL J., US
[72] KIENMAN, RICHARD E., US
[72] GONZALEZ, DAVID, US
[72] MEDERO, RICHARD, US
[71] CONMED CORPORATION, US
[85] 2017-10-03
[86] 2016-04-01 (PCT/US2016/025623)
[87] (WO2016/161322)
[30] US (62/142,595) 2015-04-03

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[21] **2,981,620**
[13] A1
[51] **Int.Cl. C11D 17/08 (2006.01) C11D 3/40 (2006.01)**
[25] EN
[54] **DETERGENT COMPOSITIONS COMPRISING AND A SHADING DYE INCORPORATED INTO A WATER-SOLUBLE FILM**
[54] **COMPOSITIONS DETERGENTES COMPRENANT UN COLORANT DE NUANCAGE INCORPORE DANS UN FILM SOLUBLE DANS L'EAU**
[72] MIRACLE, GREGORY SCOT, US
[72] TULCHINSKY, EVA JEAN, US
[72] DITULLIO, DANIEL DALE, JR., US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2017-10-02
[86] 2016-04-19 (PCT/US2016/028257)
[87] (WO2016/172088)
[30] US (14/694,096) 2015-04-23

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[21] **2,981,628**
[13] A1
[51] **Int.Cl. C08L 53/02 (2006.01) C04B 26/04 (2006.01) C08L 91/00 (2006.01) C10M 101/02 (2006.01) C10M 143/12 (2006.01) C10M 169/04 (2006.01)**
[25] FR
[54] **CLEAR BINDER AND APPLICATIONS OF SAME**
[54] **LIANT CLAIR ET SES APPLICATIONS**
[72] BARJON, DANIELE, FR
[72] GAMET, OLIVIER, FR
[72] MOUAZEN, MOUHAMAD, FR
[71] TOTAL MARKETING SERVICES, FR
[85] 2017-10-03
[86] 2016-04-13 (PCT/EP2016/058108)
[87] (WO2016/166152)
[30] FR (1553197) 2015-04-13

[21] **2,981,631**
[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **A SPECIFIC TRIFLUOROETHYL QUINOLINE ANALOGUE FOR USE IN THE TREATMENT OF SJOGREN'S SYNDROME**
[54] **ANALOGUE DE TRIFLUOROETHYL QUINOLINE SPECIFIQUE DESTINE A ETRE UTILISE DANS LE TRAITEMENT DU SYNDROME DE SJOGREN**
[72] ALLEN, RODGER ANTHONY, GB
[72] BARONE, FRANCESCA, GB
[72] FAHY, WILLIAM ANTHONY, GB
[72] NAYAR, SABA, GB
[71] UCB BIOPHARMA SPRL, BE
[85] 2017-10-03
[86] 2016-04-20 (PCT/EP2016/058810)
[87] (WO2016/170014)
[30] GB (1506786.1) 2015-04-21

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[21] **2,981,634**
[13] A1
[51] **Int.Cl. F16L 58/18 (2006.01) C09K 3/10 (2006.01) C10M 171/00 (2006.01) C23C 28/00 (2006.01) E21B 17/042 (2006.01) F16B 33/06 (2006.01) F16L 15/00 (2006.01) F16L 57/00 (2006.01) F16L 58/04 (2006.01)**
[25] EN
[54] **THREADED TUBULAR ELEMENT PROVIDED WITH A METALLIC ANTI-GALLING COATING AND A LUBRICANT LAYER**
[54] **ELEMENT TUBULAIRE FILETE POURVU D'UN REVETEMENT ANTI-GRIPPAGE METALLIQUE ET D'UNE COUCHE LUBRIFIANTE**
[72] VERLEENE, ARNAUD, FR
[72] BAUDIN, NICOLAS, FR
[72] VOGT, CEDRIC, FR
[72] JAAFAR, ADIL, FR
[71] VALLOUREC OIL AND GAS FRANCE, FR
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2017-10-03
[86] 2016-04-21 (PCT/EP2016/058848)
[87] (WO2016/170032)
[30] FR (15/53662) 2015-04-23

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[21] **2,981,640**
[13] A1
[51] **Int.Cl. E21B 17/042 (2006.01) C09K 3/10 (2006.01) C10M 171/00 (2006.01) C23C 28/00 (2006.01) F16L 57/00 (2006.01) F16L 58/08 (2006.01)**
[25] EN
[54] **THREADED TUBULAR CONNECTION PROVIDED WITH A METALLIC COATING ON THE THREADING AND ON THE SEALING SURFACE**
[54] **RACCORD TUBULAIRE FILETE PORTANT UN REVETEMENT METALLIQUE SUR LE FILETAGE ET SUR LA SURFACE DE CONTACT**
[72] VERLEENE, ARNAUD, FR
[72] BAUDIN, NICOLAS, FR
[72] VOGT, CEDRIC, FR
[72] JAAFAR, ADIL, FR
[71] VALLOUREC OIL AND GAS FRANCE, FR
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2017-10-03
[86] 2016-04-21 (PCT/EP2016/058866)
[87] (WO2016/170037)
[30] FR (FR1553663) 2015-04-23

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[21] **2,981,648**
[13] A1
[51] **Int.Cl. C08J 9/26 (2006.01) C08J 3/20 (2006.01) C08J 9/35 (2006.01) H01B 1/20 (2006.01)**
[25] FR
[54] **THERMALLY AND/OR ELECTRICALLY CONDUCTIVE MATERIALS AND METHOD FOR THE PRODUCTION THEREOF**
[54] **MATERIAUX CONDUCTEURS THERMIQUES ET/OU ELECTRIQUES ET LEUR PROCEDE DE PREPARATION**
[72] PREBE, ARNAUD, FR
[72] DUFOUR, BRUNO, FR
[72] AYME-PERROT, DAVID, FR
[72] BUREAU, YANNICK, FR
[72] SONNTAG, PHILIPPE, FR
[71] HUTCHINSON, FR
[85] 2017-10-03
[86] 2016-04-07 (PCT/EP2016/057555)
[87] (WO2016/166000)
[30] FR (1553212) 2015-04-13

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[21] **2,981,655**
[13] A1
[51] **Int.Cl. C08J 9/26 (2006.01) C08J 3/20 (2006.01) C08J 9/35 (2006.01) C09K 5/02 (2006.01) F28D 20/02 (2006.01) F28F 21/00 (2006.01)**
[25] FR
[54] **HEAT STORAGE MATERIAL**
[54] **MATERIAU POUR LE STOCKAGE THERMIQUE**
[72] PREBE, ARNAUD, FR
[72] DUFOUR, BRUNO, FR
[72] CHOPARD, FABRICE, FR
[72] GAROIS, NICOLAS, FR
[72] SONNTAG, PHILIPPE, FR
[71] HUTCHINSON, FR
[85] 2017-10-03
[86] 2016-04-07 (PCT/EP2016/057554)
[87] (WO2016/165999)
[30] FR (1553213) 2015-04-13

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[21] **2,981,681**
[13] A1
[51] **Int.Cl. E21B 17/042 (2006.01) C09K 3/10 (2006.01) C10M 171/00 (2006.01) C23C 28/00 (2006.01) F16L 57/00 (2006.01) F16L 58/08 (2006.01)**
[25] EN
[54] **THREADED TUBULAR ELEMENT PROVIDED WITH A METALLIC ANTI-CORROSION AND ANTI-GALLING COATING**
[54] **ELEMENT TUBULAIRE FILETE POURVU D'UN REVETEMENT METALLIQUE ANTI-CORROSION ET ANTI-GRIPPAGE**
[72] VERLEENE, ARNAUD, FR
[72] BAUDIN, NICOLAS, FR
[72] VOGT, CEDRIC, FR
[72] JAAFAR, ADIL, FR
[71] VALLOUREC OIL AND GAS FRANCE, FR
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2017-10-03
[86] 2016-04-21 (PCT/EP2016/058847)
[87] (WO2016/170031)
[30] FR (15/53661) 2015-04-23

[21] **2,981,682**
[13] A1
[51] **Int.Cl. C03B 13/08 (2006.01) A01G 9/24 (2006.01) C03C 17/00 (2006.01) E04D 13/03 (2006.01) E06B 3/02 (2006.01) F24J 2/50 (2006.01) G02B 5/02 (2006.01)**
[25] FR
[54] **TEXTURED GLASS FOR GREENHOUSES**
[54] **VERRE TEXTURE POUR SERRE**
[72] SCHIAVONI, MICHELE, FR
[72] BERARD, MATHIEU, FR
[72] MIMOUN, EMMANUEL, FR
[72] MAZOYER, SIMON, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2017-10-03
[86] 2016-04-19 (PCT/FR2016/050903)
[87] (WO2016/170261)
[30] FR (1553648) 2015-04-23
[30] FR (1554131) 2015-05-07

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[21] **2,981,701**
[13] A1
[51] **Int.Cl. B01F 5/06 (2006.01) A61F 2/46 (2006.01) B28C 5/06 (2006.01)**
[25] EN
[54] **MIXING GROUP AND METHOD FOR MIXING TWO COMPOUNDS**
[54] **GROUPE DE MELANGE ET PROCEDE POUR LE MELANGE DE DEUX COMPOSES**
[72] FACCIOLI, GIOVANNI, IT
[72] SOFFIATTI, RENZO, IT
[71] TECRES S.P.A., IT
[85] 2017-10-03
[86] 2016-04-15 (PCT/IB2016/052151)
[87] (WO2016/166711)
[30] IT (102015000012246) 2015-04-17

---

[21] **2,981,724**
[13] A1
[51] **Int.Cl. C08F 2/34 (2006.01) C08F 110/02 (2006.01)**
[25] EN
[54] **CLOSED REACTOR TRANSITIONS BETWEEN METALLOCENE CATALYSTS**
[54] **TRANSITIONS EN REACTEUR FERME ENTRE DES CATALYSEURS METALLOCENES**
[72] LOCKLEAR, BRANDON C., US
[72] PEQUENO, R. ERIC, US
[72] PANNELL, RICHARD B., US
[72] HUSSEIN, FATHI DAVID, US
[72] STOLZ, RICH JOHN, US
[72] MATTHEWS, WILLIAM A., US
[71] UNIVATION TECHNOLOGIES, LLC, US
[85] 2017-10-03
[86] 2016-04-06 (PCT/US2016/026201)
[87] (WO2016/164451)
[30] US (62/144,587) 2015-04-08

---

[21] **2,981,742**
[13] A1
[51] **Int.Cl. A61K 9/14 (2006.01) B82Y 5/00 (2011.01) A61K 47/68 (2017.01) A61K 31/473 (2006.01) A61K 31/704 (2006.01) A61K 39/395 (2006.01) A61K 47/34 (2017.01) A61P 7/00 (2006.01) A61P 27/02 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SHAPE MEMORY PARTICLES FOR BIOMEDICAL USES**
[54] **PARTICULES A MEMOIRE DE FORME POUR USAGES BIOMEDICAUX**
[72] GUO, QIONGYU, US
[72] GREEN, JORDAN, US
[72] MEYER, RANDALL A., US
[72] BISHOP, COREY J., US
[72] KUMAR, ANAND, US
[72] SEMENZA, GREGG L., US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2017-10-03
[86] 2016-04-06 (PCT/US2016/026209)
[87] (WO2016/164458)
[30] US (62/143,482) 2015-04-06
[30] US (62/257,278) 2015-11-19

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[21] **2,981,747**
[13] A1
[51] **Int.Cl. C08G 18/18 (2006.01) C08J 9/00 (2006.01)**
[25] EN
[54] **PRODUCTION OF LOW-EMISSION POLYURETHANES**
[54] **FABRICATION DE POLYURETHANES A FAIBLE TAUX D'EMISSION**
[72] GUNTHER, THOMAS, DE
[72] VIDAKOVIC, MLADEN, DE
[72] WETTEY, COLLINS, DE
[71] EVONIK DEGUSSA GMBH, DE
[85] 2017-10-04
[86] 2016-03-18 (PCT/EP2016/055931)
[87] (WO2016/162183)
[30] EP (15162741.1) 2015-04-08

---

[21] **2,981,755**
[13] A1
[51] **Int.Cl. C08G 18/76 (2006.01) C08J 9/04 (2006.01)**
[25] EN
[54] **INSULATIVE POLYURETHANE RIGID FOAM BASED ON TDI LIQUID RESIDUE**
[54] **MOUSSE RIGIDE, ISOLANTE, DE POLYURETHANE A BASE D'UN RESIDU LIQUIDE DE TDI**
[72] XU, JIAN FENG, CN
[72] WANG, SHU KUI, CN
[71] BASF SE, DE
[85] 2017-10-04
[86] 2016-03-31 (PCT/EP2016/057020)
[87] (WO2016/162255)
[30] CN (PCT/CN2015/076302) 2015-04-10

---

[21] **2,981,773**
[13] A1
[51] **Int.Cl. A01N 55/08 (2006.01) A01N 61/00 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **SYNERGISTIC BENZOXABOROLE-CONTAINING ANTI-FUNGICIDAL COMPOSITION**
[54] **COMPOSITION ANTIFONGICIDE CONTENANT DU BENZOXABOROLE**
[72] BENKOVIC, STEPHEN, US
[72] LIU, CHUNYU, US
[71] THE PENN STATE RESEARCH FOUNDATION, US
[85] 2017-10-04
[86] 2016-04-07 (PCT/US2016/026451)
[87] (WO2016/164589)
[30] US (62/145,179) 2015-04-09

[21] **2,981,791**
[13] A1
[51] **Int.Cl. A61K 31/522 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **METHODS OF TREATING HYPERGLYCEMIA**
[54] **METHODES DE TRAITEMENT DE L'HYPERGLYCEMIE**
[72] SABOUNJIAN, LUANN A., US
[71] CONCERT PHARMACEUTICALS, INC., US
[85] 2017-10-04
[86] 2015-04-15 (PCT/US2015/025913)
[87] (WO2015/160913)
[30] US (61/981,319) 2014-04-18

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[21] **2,981,920**
[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **SITE-SPECIFIC ANTIBODY-DRUG CONJUGATES**
[54] **CONJUGUES ANTICORPS-MEDICAMENT SITE-SPECIFIQUES**
[72] VAN BERKEL, PATRICIUS HENDRIKUS CORNELIS, CH
[72] HOWARD, PHILIP WILSON, GB
[71] ADC THERAPEUTICS S.A., CH
[71] MEDIMMUNE LIMITED, GB
[85] 2017-10-05
[86] 2016-04-15 (PCT/EP2016/058371)
[87] (WO2016/166299)
[30] GB (1506393.6) 2015-04-15

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[21] **2,981,976**
[13] A1
[51] **Int.Cl. G21H 5/02 (2006.01) G21F 7/06 (2006.01)**
[25] FR
[54] **DEVICE FOR THE SYNTHESIS OF A RADIOTRACER, FACILITY COMPRISING SUCH A DEVICE, AND METHOD FOR PRODUCING A RADIOTRACER BY MEANS OF SUCH A DEVICE**
[54] **DISPOSITIF DE SYNTHESE D'UN RADIO-TRACEUR, INSTALLATION COMPORTANT UN TEL DISPOSITIF ET PROCEDE D'OBTENTION D'UN RADIO-TRACEUR AU MOYEN D'UN TEL DISPOSITIF**
[72] TANGUY, LAURENT, FR
[72] CORNEILLE, JEROME, FR
[72] LOUBATON, BERTRAND, FR
[72] DELMAS, MARC, FR
[72] PEREZ DELAUME, ALAIN, FR
[71] P M B, FR
[85] 2017-10-05
[86] 2016-04-14 (PCT/FR2016/050872)
[87] (WO2016/166486)
[30] FR (1553402) 2015-04-16

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[21] **2,982,063**
[13] A1
[51] **Int.Cl. A61B 17/04 (2006.01) A61F 2/24 (2006.01)**
[25] EN
[54] **ANNULOPLASTY TECHNOLOGIES**
[54] **TECHNOLOGIES D'ANNULOPLASTIE**
[72] IFLAH, EHUD, IL
[72] REICH, TAL, IL
[72] SHEPS, TAL, IL
[72] HARITON, ILIA, IL
[72] BRAUON, HAIM, IL
[72] KUTZIK, MEIR, IL
[72] KOIFMAN, ALEXEI, AU
[72] HERMAN, YARON, IL
[71] VALTECH CARDIO LTD., IL
[85] 2017-10-06
[86] 2016-04-21 (PCT/IL2016/050433)
[87] (WO2016/174669)
[30] US (62/154,962) 2015-04-30

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[21] **2,982,216**
[13] A1
[51] **Int.Cl. A45D 40/00 (2006.01) A47F 7/28 (2006.01) B05B 11/00 (2006.01) B65D 83/08 (2006.01) B65H 3/06 (2006.01)**
[25] FR
[54] **DISPENSER FOR SUPPORTS TO BE IMPREGNATED WITH AN ODOUR**
[54] **DISTRIBUTEUR DE SUPPORTS DESTINES A ETRE IMPREGNES D'UNE ODEUR**
[72] HAGIAGE, MARC, FR
[72] LEVEQUE, LAURENCE, FR
[72] SERRE, GUILLAUME, FR
[71] GAUDIER KUPPEL GROUP SARL, FR
[85] 2017-10-06
[86] 2016-04-11 (PCT/EP2016/057901)
[87] (WO2016/166051)
[30] FR (1553190) 2015-04-13
[30] FR (1502687) 2015-12-23

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[21] **2,982,305**
[13] A1
[51] **Int.Cl. F42B 10/46 (2006.01) F42B 10/42 (2006.01) F42B 12/06 (2006.01) F42B 10/22 (2006.01)**
[25] EN
[54] **PROJECTILE WITH ENHANCED BALLISTICS**
[54] **PROJECTILE A BALISTIQUE AMELIOREE**
[72] MAHNKE, JOSHUA, US
[71] MAHNKE, JOSHUA, US
[85] 2017-10-06
[86] 2015-04-30 (PCT/US2015/028661)
[87] (WO2016/007212)
[30] US (62/145,814) 2014-04-10
[30] US (61/986,296) 2014-04-30

[21] **2,982,384**
[13] A1
[51] **Int.Cl. B31B 70/26 (2017.01) B31B 70/14 (2017.01) B31B 70/62 (2017.01) B31B 70/64 (2017.01)**
[25] EN
[54] **DEVICE AND METHOD FOR PRODUCING FOLDING BOXES**
[54] **DISPOSITIF ET PROCEDE DE FABRICATION DE BOITES PLIANTES**
[72] THEIS, UWE, DE
[72] KOLLMANN, JURGEN, DE
[71] MAYR-MELNHOF KARTON AG, AT
[85] 2017-10-11
[86] 2016-04-14 (PCT/EP2016/058227)
[87] (WO2016/166211)
[30] EP (15163514.1) 2015-04-14

[21] **2,982,414**
[13] A1
[51] **Int.Cl. A01C 7/08 (2006.01) A01C 5/06 (2006.01) A01C 7/04 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **MULTIPLE SINGLING DEVICE**
[54] **DISPOSITIF DE DEMARIAGE MULTIPLE**
[72] GEBBEKEN, MARTIN, DE
[72] BERGERFURTH, DENNIS, DE
[72] BERENDSEN, MARK, NL
[72] GERAATS, MARCEL, DE
[72] GOTZEN, CHRISTIAN, DE
[72] LUKAS, THOMAS, DE
[72] PAESSENS, CHRISTIAN, DE
[72] WERRIES, DIETER, DE
[72] VAN KANN, ANDREAS, DE
[71] LEMKEN GMBH & CO KG, DE
[85] 2017-10-11
[86] 2016-04-15 (PCT/DE2016/100179)
[87] (WO2016/165696)
[30] DE (10 2015 105 769.7) 2015-04-15

[21] **2,982,499**
[13] A1
[51] **Int.Cl. E02D 7/08 (2006.01)**
[25] EN
[54] **A METHOD FOR PILE-DRIVING**
[54] **PROCEDE D'ENFONCEMENT DE PIEU**
[72] HALONEN, ANTTI, FI
[72] HOLOPAINEN, JYRKI, FI
[72] PAAVOLA, JAAKKO, FI
[72] PENTTINEN, MARKKU, FI
[71] JUNTTAN OY, FI
[85] 2017-10-12
[86] 2015-04-17 (PCT/FI2015/050269)
[87] (WO2016/166406)

[21] **2,982,510**
[13] A1
[51] **Int.Cl. B01D 53/52 (2006.01) B01D 53/02 (2006.01) B01J 20/26 (2006.01) C10L 3/10 (2006.01)**
[25] EN
[54] **CROSS-LINKED MACROPOROUS POLYMER USED FOR SELECTIVE REMOVAL OF HYDROGEN SULFIDE FROM A GAS STREAM**
[54] **POLYMERE MACROPOREUX RETICULE UTILISE POUR L'ELIMINATION SELECTIVE DU SULFURE D'HYDROGENE D'UN FLUX GAZEUX**
[72] TAN, RUNYU, US
[72] GOLTZ, H. ROBERT, US
[72] PADILLA, GERARDO, US
[72] BADHWAR, AJAY N., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2017-10-12
[86] 2016-04-04 (PCT/US2016/025821)
[87] (WO2016/167995)
[30] US (62/148,797) 2015-04-17

[21] **2,982,519**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **A MANAGEMENT METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE GESTION**
[72] TUHAMI, EAMON, GB
[71] MOTIVII LIMITED, GB
[85] 2017-10-12
[86] 2016-04-11 (PCT/GB2016/051012)
[87] (WO2016/166516)
[30] US (62/146,509) 2015-04-13

[21] **2,982,529**
[13] A1
[51] **Int.Cl. B65D 83/38 (2006.01)**
[25] EN
[54] **SYSTEM FOR APPROXIMATING THE CONTENTS OF A DISPENSING CONTAINER**
[54] **SYSTEME D'APPROXIMATION DU CONTENU D'UN RECIPIENT DE DISTRIBUTION**
[72] BACON, RAYMOND JOHN, GB
[71] TRIG 1 LIMITED, GB
[85] 2017-10-12
[86] 2016-04-27 (PCT/GB2016/051182)
[87] (WO2016/174421)
[30] GB (1507339.8) 2015-04-29

[21] **2,982,579**
[13] A1
[51] **Int.Cl. B01L 3/02 (2006.01)**
[25] EN
[54] **VOLUME ADJUSTMENT FOR MANUAL PIPETTOR**
[54] **DISPOSITIF D'AJUSTEMENT DU VOLUME POUR PIPETEUR MANUEL**
[72] LACROIX, CHRISTOPHER, US
[71] INTEGRA BIOSCIENCES AG, CH
[85] 2017-10-12
[86] 2016-03-21 (PCT/IB2016/051589)
[87] (WO2016/166622)
[30] US (62/148,270) 2015-04-16

[21] **2,982,582**
[13] A1
[51] **Int.Cl. B08B 17/04 (2006.01) B01D 1/00 (2006.01) B05D 7/22 (2006.01) B08B 7/00 (2006.01) F28F 19/02 (2006.01)**
[25] EN
[54] **METHOD OF CLEANING AN EVAPORATOR**
[54] **PROCEDE DE NETTOYAGE D'UN EVAPORATEUR**
[72] EFRAT, TOMER, IL
[72] HITE, ITAMAR, IL
[71] IDE TECHNOLOGIES LTD, IL
[85] 2017-10-12
[86] 2016-04-13 (PCT/IB2016/052099)
[87] (WO2016/166676)
[30] GB (1506376.1) 2015-04-15

[21] **2,982,591**
[13] A1
[51] **Int.Cl. A61L 27/34 (2006.01)**
[25] EN
[54] **HYDROPHILIC COATINGS AND METHODS OF FORMING THE SAME**
[54] **REVETEMENTS HYDROPHILES ET LEURS PROCEDES DE FORMATION**
[72] O'MAHONY, JOHN P., IE
[72] FARRELL, DAVID J., IE
[71] HOLLISTER INCORPORATED, US
[85] 2017-10-12
[86] 2016-04-14 (PCT/US2016/027534)
[87] (WO2016/168461)
[30] US (62/148,473) 2015-04-16

[21] **2,982,593**
[13] A1
[51] **Int.Cl. B05B 1/32 (2006.01) F16K 21/00 (2006.01) F16K 27/02 (2006.01) F16K 31/363 (2006.01) F16L 55/07 (2006.01) F17D 3/12 (2006.01)**
[25] EN
[54] **WATER INJECTOR NOZZLE**
[54] **BUSE D'INJECTEUR D'EAU**
[72] TEELE, ROBERT WILLIAM, US
[72] MERRILL, PETER, US
[71] DRESSER, INC., US
[85] 2017-10-12
[86] 2016-03-24 (PCT/US2016/023936)
[87] (WO2016/171835)
[30] US (14/691,774) 2015-04-21

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[21] **2,982,671**
[13] A1
[51] **Int.Cl. G01N 21/01 (2006.01) G01N 21/64 (2006.01) G01N 35/08 (2006.01)**
[25] EN
[54] **MULTIPLEXED, CONTINUOUS-FLOW, DROPLET-BASED PLATFORM FOR HIGH-THROUGHPUT GENETIC DETECTION**
[54] **PLATEFORME A BASE DE GOUTTELETTES MULTIPLEXEE A CIRCULATION CONTINUE POUR LA DETECTION GENETIQUE A HAUT DEBIT**
[72] WANG, TZA-HUEI J., US
[72] HSIEH, KUANGWEN, US
[72] ZEC, HELENA C., US
[72] LIU, LINGSHU, US
[72] KAUSHIK, ANIRUDDHA M., US
[72] YUN, YUE, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2017-10-12
[86] 2016-04-12 (PCT/US2016/027125)
[87] (WO2016/168193)
[30] US (62/146,774) 2015-04-13

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[21] **2,982,683**
[13] A1
[51] **Int.Cl. D21H 27/02 (2006.01) B31D 1/04 (2006.01) D21F 11/14 (2006.01)**
[25] EN
[54] **SOFT ABSORBENT SHEETS, STRUCTURING FABRICS FOR MAKING SOFT ABSORBENT SHEETS, AND METHODS OF MAKING SOFT ABSORBENT SHEETS**
[54] **FEUILLES ABSORBANTES DOUCES, TISSUS STRUCTURANTS POUR LA FABRICATION DE FEUILLES ABSORBANTES DOUCES, ET PROCEDES DE FABRICATION DE FEUILLES ABSORBANTES DOUCES**
[72] SZE, DANIEL HUE MING, US
[72] FAN, XIAOLIN, US
[72] CHOU, HUNG-LIANG, US
[72] ORIARAN, TAIYE PHILIPS, US
[72] ANAND, FARMINDER SINGH, US
[72] BAUMGARTNER, DEAN JOSEPH, US
[72] MILLER, JOSEPH HENRY, US
[71] GPCP IP HOLDINGS LLC, US
[85] 2017-10-12
[86] 2016-06-08 (PCT/US2016/036332)
[87] (WO2016/200867)
[30] US (62/172,659) 2015-06-08
[30] US (15/175,949) 2016-06-07

---

[21] **2,982,688**
[13] A1
[51] **Int.Cl. B01J 8/06 (2006.01) B01J 19/24 (2006.01)**
[25] EN
[54] **PROCESS**
[54] **PROCEDE**
[72] GRAY, JULIAN STUART, GB
[71] JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED, GB
[85] 2017-10-13
[86] 2016-03-24 (PCT/GB2016/050858)
[87] (WO2016/166507)
[30] GB (1506572.5) 2015-04-17

---

[21] **2,982,692**
[13] A1
[51] **Int.Cl. B01J 35/10 (2006.01) B01J 32/00 (2006.01) B01J 35/02 (2006.01) B01J 37/02 (2006.01)**
[25] EN
[54] **SHAPED CATALYST PARTICLE**
[54] **GRAIN DE CATALYSEUR MIS EN FORME**
[72] COUPLAND, DUNCAN, GB
[72] WINFIELD, SOPHIE, GB
[71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB
[85] 2017-10-13
[86] 2016-04-12 (PCT/GB2016/051027)
[87] (WO2016/166526)
[30] GB (1506325.8) 2015-04-14

---

[21] **2,982,722**
[13] A1
[51] **Int.Cl. B31B 70/14 (2017.01) B31B 70/74 (2017.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR MAKING PLASTIC BAGS**
[54] **MACHINE DE FABRICATION DE SAC**
[72] TOTANI, MIKIO, JP
[71] TOTANI CORPORATION, JP
[85] 2017-10-13
[86] 2016-06-09 (PCT/JP2016/067252)
[87] (WO2016/199863)
[30] JP (2015-118613) 2015-06-11

---

[21] **2,982,767**
[13] A1
[51] **Int.Cl. B29C 64/386 (2017.01) G05B 17/00 (2006.01)**
[25] EN
[54] **MULTI-PART COUNTING SYSTEM FOR THREE-DIMENSIONAL PRINTED PARTS**
[54] **SYSTEME DE COMPTAGE DE PIECES MULTIPLES POUR PIECES IMPRIMEES EN TROIS DIMENSIONS**
[72] HUDSON, ALAN D., US
[71] SHAPEWAYS, INC., US
[85] 2017-10-13
[86] 2016-04-14 (PCT/US2016/027464)
[87] (WO2016/168416)
[30] US (14/686,015) 2015-04-14

[21] **2,982,768**
[13] A1
[51] **Int.Cl. A63B 69/00 (2006.01) A63B 59/50 (2015.01) A63B 59/58 (2015.01) A63B 59/80 (2015.01) A63B 60/00 (2015.01) A63B 69/36 (2006.01) A63B 69/38 (2006.01)**
[25] EN
[54] **UNIVERSAL SWING TRAINING APPARATUS**
[54] **APPAREIL D'ENTRAINEMENT D'ELAN UNIVERSEL**
[72] HOU, WEN-SUN, US
[71] BEST SWING ONE, LLC, US
[85] 2017-10-13
[86] 2016-04-14 (PCT/US2016/027469)
[87] (WO2016/168418)
[30] US (14/690,309) 2015-04-17
[30] US (14/880,224) 2015-10-10

---

[21] **2,982,819**
[13] A1
[51] **Int.Cl. B03C 1/28 (2006.01) B01D 46/00 (2006.01)**
[25] EN
[54] **MAGNETIC FILTER WITH DRAIN AND REMOVABLE EXTERNAL MAGNETIC ELEMENT**
[54] **FILTRE MAGNETIQUE AVEC VIDANGE ET ELEMENT MAGNETIQUE EXTERNE AMOVIBLE**
[72] ADEY, CHRISTOPHER, GB
[72] DOWNIE, SIMON, GB
[72] ALBROW, ROBERT CHARLES, GB
[71] ADEY HOLDINGS (2008) LIMITED, GB
[85] 2017-10-06
[86] 2016-04-06 (PCT/GB2016/050963)
[87] (WO2016/162670)
[30] GB (1506054.4) 2015-04-09

---

[21] **2,982,830**
[13] A1
[51] **Int.Cl. F17C 7/00 (2006.01) F17C 13/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DISPENSING GASEOUS FUEL TO A VEHICLE**
[54] **PROCEDE ET APPAREIL SERVANT A DES FINS DE DISTRIBUTION DE CARBURANT GAZEUX A UN VEHICULE**
[72] PETIT, ROCK, US
[72] HEIN, MITCHELL, US
[72] SELLE, PAUL, US
[71] CMD CORPORATION, US
[85] 2017-10-05
[86] 2016-04-22 (PCT/US2016/029060)
[87] (WO2016/172637)
[30] US (62/152,493) 2015-04-24
[30] US (62/310,618) 2016-03-18
[30] US (15/136,437) 2016-04-22

---

[21] **2,982,835**
[13] A1
[51] **Int.Cl. F04B 53/02 (2006.01) E21B 33/068 (2006.01) E21B 33/08 (2006.01) F04B 1/04 (2006.01) F04B 53/16 (2006.01)**
[25] EN
[54] **PLUNGER PACKING NUT WITH INTEGRAL PACKING**
[54] **ECROU DE PRESSE-GARNITURE DE PISTON PLONGEUR, AVEC GARNITURE INTEGREE**
[72] DILLE, MARK C., US
[71] FORUM US, INC., US
[85] 2017-10-13
[86] 2016-04-28 (PCT/US2016/029815)
[87] (WO2016/178908)
[30] US (62/155,565) 2015-05-01

---

[21] **2,982,844**
[13] A1
[51] **Int.Cl. B02C 18/14 (2006.01) B02C 18/22 (2006.01) B27L 11/02 (2006.01)**
[25] EN
[54] **A COMMINUTING MACHINE COMPRISING A ROTOR SYSTEM AND A METHOD FOR COMMINUTING FEEDSTOCK**
[54] **BROYEUSE COMPRENANT UN SYSTEME DE ROTOR ET PROCEDE SERVANT AU BROYAGE D'UN PRODUIT CHARGE**
[72] REIMANN, STEFAN, DE
[71] B. MAIER ZERKLEINERUNGSTECHNIK GMBH, DE
[85] 2017-10-16
[86] 2016-05-04 (PCT/DE2016/000188)
[87] (WO2016/177358)
[30] DE (10 2015 005 642.5) 2015-05-05

---

[21] **2,982,855**
[13] A1
[51] **Int.Cl. A61B 5/0205 (2006.01) A61B 5/021 (2006.01) A61B 5/1455 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IDENTIFYING AUTOREGULATION ZONES**
[54] **SYSTEME ET PROCEDE POUR IDENTIFIER DES ZONES D'AUTOREGULATION**
[72] ADDISON, PAUL S., GB
[72] MONTGOMERY, DEAN, GB
[71] COVIDIEN LP, US
[85] 2017-10-13
[86] 2016-05-05 (PCT/US2016/031021)
[87] (WO2016/182853)
[30] US (62/158,659) 2015-05-08
[30] US (15/146,595) 2016-05-04

---

[21] **2,982,858**
[13] A1
[51] **Int.Cl. A47D 13/00 (2006.01) A47D 13/08 (2006.01) A47D 15/00 (2006.01)**
[25] EN
[54] **INFANT ACCOMMODATION APPARATUS**
[54] **APPAREIL DE SUPPORT DE NOURRISSON**
[72] CROSS, SOPHIE, GB
[71] JAMES GALT & CO. LIMITED, GB
[85] 2017-10-16
[86] 2016-05-03 (PCT/GB2016/051268)
[87] (WO2016/178014)
[30] GB (1507749.8) 2015-05-06

[21] **2,982,894**
[13] A1
[51] **Int.Cl. B04B 5/04 (2006.01) A61M 1/02 (2006.01) A61M 1/36 (2006.01)**
[25] EN
[54] **A DEVICE, SYSTEM AND METHOD FOR THE CONTINUOUS PROCESSING AND SEPARATION OF BIOLOGICAL FLUIDS INTO COMPONENTS**
[54] **DISPOSITIF, SYSTEME ET PROCEDE PERMETTANT LE TRAITEMENT CONTINU ET LA SEPARATION DE LIQUIDES BIOLOGIQUES EN COMPOSANTS**
[72] CAMISANI, JULIEN PIERRE, CH
[72] SUBLET, YANNICK ANDRE, CH
[72] SABAT, PAU MATO, FR
[71] BIOSAFE S.A., CH
[85] 2017-10-16
[86] 2016-01-11 (PCT/IB2016/050107)
[87] (WO2016/178100)
[30] CH (00627/15) 2015-05-07

---

[21] **2,982,918**
[13] A1
[51] **Int.Cl. B65D 77/20 (2006.01) B65D 17/50 (2006.01)**
[25] EN
[54] **CONTAINER SEALING MEMBER, AND METHOD FOR PRODUCING SAME**
[54] **ELEMENT D'ETANCHEITE DE RECIPIENT, ET PROCEDE POUR SA PRODUCTION**
[72] WEI, SE HWANG, KR
[71] SEAL AND PACK CO., LTD, KR
[85] 2017-10-16
[86] 2016-04-18 (PCT/KR2016/004028)
[87] (WO2016/182217)
[30] KR (10-2015-0065650) 2015-05-11
[30] KR (10-2015-0065651) 2015-05-11
[30] KR (10-2015-0065652) 2015-05-11

---

[21] **2,982,919**
[13] A1
[51] **Int.Cl. E04B 1/94 (2006.01) E04B 2/74 (2006.01)**
[25] EN
[54] **A FIRE-RESISTANT BUILDING JOINT SYSTEM**
[54] **SYSTEME DE JOINT DE CONSTRUCTION RESISTANT AU FEU**
[72] HULTEEN, JOHN C., US
[72] FROST, GEORGE W., US
[72] GESTNER, ROBERT E., US
[72] HAFFNER, RICHARD J., US
[72] SCHMIDT, ERNST L., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2017-10-16
[86] 2016-03-25 (PCT/US2016/024135)
[87] (WO2016/167937)
[30] US (62/149,060) 2015-04-17

---

[21] **2,982,921**
[13] A1
[51] **Int.Cl. A62C 2/06 (2006.01) E04B 1/94 (2006.01) E04C 2/00 (2006.01)**
[25] EN
[54] **PENETRATION FIRESTOP SYSTEM**
[54] **SYSTEME COUPE-FEU POUR PENETRATIONS**
[72] HULTEEN, JOHN C., US
[72] FROST, GEORGE W., US
[72] HAFFNER, RICHARD J., US
[72] SCHMIDT, ERNST L., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2017-10-16
[86] 2016-03-30 (PCT/US2016/024821)
[87] (WO2016/167956)
[30] US (62/149,122) 2015-04-17

---

[21] **2,982,924**
[13] A1
[51] **Int.Cl. A61B 17/32 (2006.01) A61B 17/3207 (2006.01)**
[25] EN
[54] **SURGICAL CUTTING INSTRUMENT**
[54] **INSTRUMENT CHIRURGICAL COUPANT**
[72] NGUYEN, THOAI, US
[72] BERMAN, PHILLIP J., US
[71] MEDTRONIC XOMED, INC., US
[85] 2017-10-16
[86] 2016-04-11 (PCT/US2016/026886)
[87] (WO2016/168104)
[30] US (14/689,938) 2015-04-17

---

[21] **2,982,925**
[13] A1
[51] **Int.Cl. E21B 33/129 (2006.01) E21B 23/01 (2006.01) E21B 33/12 (2006.01) E21B 33/134 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **FRAC PLUG**
[54] **BOUCHON DE FRACTURATION**
[72] HARRIS, MICHAEL J., US
[72] ANTON, KENNETH J., US
[71] TERCEL OILFIELD PRODUCTS USA LLC, US
[85] 2017-10-16
[86] 2016-04-07 (PCT/US2016/026349)
[87] (WO2016/171915)
[30] US (62/149,553) 2015-04-18
[30] US (15/055,696) 2016-02-29

---

[21] **2,982,933**
[13] A1
[51] **Int.Cl. E21B 33/128 (2006.01) F16J 15/02 (2006.01)**
[25] EN
[54] **EXPANDABLE SEAL**
[54] **JOINT D'ETANCHEITE EXTENSIBLE**
[72] MERRON, MATTHEW J., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-10-16
[86] 2015-05-18 (PCT/US2015/031402)
[87] (WO2016/186643)

---

[21] **2,982,939**
[13] A1
[51] **Int.Cl. E04B 1/84 (2006.01) E04B 1/62 (2006.01) E04B 1/68 (2006.01) E04B 1/92 (2006.01) E04B 1/94 (2006.01)**
[25] EN
[54] **A SMOKE AND SOUND BARRIER FOR A BUILDING JOINT SYSTEM**
[54] **BARRIERE ANTI-BRUIT ET ANTI-FUMEE POUR UN SYSTEME DE JOINT DE CONSTRUCTION**
[72] HULTEEN, JOHN C., US
[72] FROST, GEORGE W., US
[72] HAFFNER, RICHARD J., US
[72] SCHMIDT, ERNST L., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2017-10-16
[86] 2016-04-12 (PCT/US2016/027080)
[87] (WO2016/168169)
[30] US (62/149,101) 2015-04-17

[21] **2,982,940**
[13] A1
[51] **Int.Cl. E21B 10/62 (2006.01) E21B 10/42 (2006.01) E21B 10/43 (2006.01)**
[25] EN
[54] **MMC DOWNHOLE TOOL REGION COMPRISING AN ALLOTROPIC MATERIAL**
[54] **REGION D'OUTIL DE FOND DE TROU MMC COMPRENANT UN MATERIAU ALLOTROPIQUE**
[72] PADMAREKHA, VENKKATEESH PARTHASARATHI, IN
[72] COOK, GRANT O., III, US
[72] VOGLEWEDE, DANIEL BRENDAN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-10-16
[86] 2015-12-18 (PCT/US2015/066704)
[87] (WO2016/195753)
[30] US (62/171,393) 2015-06-05
[30] US (62/171,398) 2015-06-05

---

[21] **2,982,949**
[13] A1
[51] **Int.Cl. G01F 15/18 (2006.01)**
[25] EN
[54] **PLATE CARRIER GUIDE FOR AN ORIFICE FITTING**
[54] **GUIDE DE SUPPORT DE PLAQUE POUR RACCORD A ORIFICE**
[72] CROUCH, JUSTIN BLAKE, US
[72] JAY, GREGORY THERON, US
[71] DANIEL MEASUREMENT AND CONTROL, INC., US
[85] 2017-10-16
[86] 2016-04-13 (PCT/US2016/027328)
[87] (WO2016/168326)
[30] US (62/149,256) 2015-04-17

---

[21] **2,982,953**
[13] A1
[51] **Int.Cl. H02K 9/02 (2006.01) H02K 3/38 (2006.01) H02K 19/00 (2006.01)**
[25] EN
[54] **ENCLOSED-VENTILATED, ELECTRICALLY EXCITED SYNCHRONOUS MACHINE**
[54] **MACHINE SYNCHRONE A EXCITATION ELECTRIQUE VENTILEE EN CIRCUIT OUVERT**
[72] GRUNTHALER, ANDREAS, DE
[72] KORNER, OLAF, DE
[72] STAPFNER, JOHANN, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2017-06-27
[86] 2015-11-18 (PCT/EP2015/076915)
[87] (WO2016/083199)
[30] EP (14194534.5) 2014-11-24

---

[21] **2,982,957**
[13] A1
[51] **Int.Cl. G06F 3/01 (2006.01) G06F 3/16 (2006.01) G06F 9/44 (2006.01) H04L 29/08 (2006.01) H04M 1/725 (2006.01) G06F 17/30 (2006.01)**
[25] EN
[54] **DIGITAL ASSISTANT EXTENSIBILITY TO THIRD PARTY APPLICATIONS**
[54] **EXTENSIBILITE D'ASSISTANT NUMERIQUE A DES APPLICATIONS TIERCES**
[72] SURTI, TANVI, US
[72] PATTEN, MICHAEL, US
[72] LYNDERSAY, SEAN, US
[72] TONG, CHEE CHEN, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-10-16
[86] 2016-04-15 (PCT/US2016/027653)
[87] (WO2016/182682)
[30] US (14/712,364) 2015-05-14

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[21] **2,982,969**
[13] A1
[51] **Int.Cl. B65D 1/30 (2006.01)**
[25] EN
[54] **MULTIPACK CONTAINER**
[54] **CONTENANT D'EMBALLAGE MULTIPLE**
[72] DAVEY, ALAN, GB
[72] ELKINGTON, BEN, GB
[72] ROWSON, JAMES THOMAS PHILIP, GB
[71] LINPAC PACKAGING LIMITED, GB
[85] 2017-09-29
[86] 2016-04-01 (PCT/GB2016/000072)
[87] (WO2016/156780)
[30] GB (1505796.1) 2015-04-02

---

[21] **2,982,993**
[13] A1
[51] **Int.Cl. B29B 11/16 (2006.01)**
[25] EN
[54] **PREFORMS MADE DIRECTLY FROM THERMOSETTING COMPOSITE CHIPS**
[54] **PREFORMES FABRIQUEES DIRECTEMENT A PARTIR DE COPEAUX COMPOSITES THERMODURCISSABLES**
[72] BOURSIER, BRUNO, US
[71] HEXCEL CORPORATION, US
[85] 2017-10-16
[86] 2016-04-18 (PCT/US2016/028035)
[87] (WO2016/182694)
[30] US (14/711,087) 2015-05-13

[21] **2,983,002**
[13] A1
[51] **Int.Cl. A61F 2/95 (2013.01) A61F 2/24 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR DELIVERY, REPOSITIONING, AND RETRIEVAL OF TRANSCATHETER PROSTHETIC VALVES**
[54] **APPAREIL ET PROCEDES DE MISE EN PLACE, DE REPOSITIONNEMENT ET D'EXTRACTION DE VALVULES PROTHETIQUES TRANSCATHETER**
[72] EKVALL, CRAIG A., US
[72] LE, KHOI, US
[72] OTTE, JOHN F., US
[72] TEGELS, ZACHARY J., US
[72] VIDLUND, ROBERT M., US
[71] TENDYNE HOLDINGS, INC., US
[71] EKVALL, CRAIG A., US
[71] LE, KHOI, US
[71] OTTE, JOHN F., US
[71] TEGELS, ZACHARY J., US
[71] VIDLUND, ROBERT M., US
[85] 2017-10-16
[86] 2016-04-15 (PCT/US2016/027770)
[87] (WO2016/168609)
[30] US (62/148,579) 2015-04-16
[30] US (62/312,136) 2016-03-23

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[21] **2,983,015**
[13] A1
[51] **Int.Cl. G06F 21/32 (2013.01) G06F 3/01 (2006.01) G06K 9/00 (2006.01)**
[25] EN
[54] **IDENTIFICATION AND/OR AUTHENTICATION OF A USER USING GAZE INFORMATION**
[54] **IDENTIFICATION ET/OU AUTHENTIFICATION D'UN UTILISATEUR A L'AIDE D'INFORMATIONS DU REGARD**
[72] SKOGO, MARTEN, SE
[72] HAINZL, RICHARD, SE
[72] JONSSON, HENRIK, SE
[72] VENNSTROM, ANDERS, SE
[72] GEORGE-SVAHN, ERLAND, SE
[72] ELVESJO, JOHN, SE
[71] TOBII AB, US
[85] 2017-10-16
[86] 2016-04-18 (PCT/US2016/028090)
[87] (WO2016/168814)
[30] US (62/148,501) 2015-04-16

---

[21] **2,983,027**
[13] A1
[51] **Int.Cl. G06Q 10/10 (2012.01)**
[25] EN
[54] **AUTOMATICALLY RELATING CONTENT TO PEOPLE**
[54] **CONTENU ASSOCIE AUTOMATIQUEMENT A DES PERSONNES**
[72] LEE, WELLY SUGIARTO, US
[72] MEYERZON, DMITRIY, US
[72] WING, PAULA A., US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-10-16
[86] 2016-04-29 (PCT/US2016/029913)
[87] (WO2016/178926)
[30] US (62/155,957) 2015-05-01
[30] US (14/854,604) 2015-09-15

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[21] **2,983,028**
[13] A1
[51] **Int.Cl. B65D 5/66 (2006.01) B65D 5/20 (2006.01) B65D 85/36 (2006.01)**
[25] EN
[54] **CARTON WITH LOCKING FEATURE**
[54] **CARTON DOTE D'UN ELEMENT DE VERROUILLAGE**
[72] HAJEK, RONALD E., US
[71] GRAPHIC PACKAGING INTERNATIONAL, INC., US
[85] 2017-10-16
[86] 2016-06-08 (PCT/US2016/036394)
[87] (WO2016/200901)
[30] US (62/230,598) 2015-06-09

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[21] **2,983,031**
[13] A1
[51] **Int.Cl. F16H 7/12 (2006.01) B60K 25/02 (2006.01)**
[25] EN
[54] **DUAL ARM TENSIONER**
[54] **TENDEUR A DEUX BRAS**
[72] HARVEY, JOHN, US
[72] STEGELMANN, OLIVER, CA
[71] GATES CORPORATION, US
[85] 2017-08-01
[86] 2016-01-21 (PCT/US2016/014228)
[87] (WO2016/126428)
[30] US (14/615,151) 2015-02-05

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[21] **2,983,036**
[13] A1
[51] **Int.Cl. A43B 17/02 (2006.01) A43B 7/14 (2006.01) A43B 7/22 (2006.01) A43B 7/24 (2006.01)**
[25] EN
[54] **SHOE INSOLE**
[54] **SEMELLE INTERIEURE DE CHAUSSURE**
[72] GRANGER, DAVID BRADLEY, US
[72] MARTINEZ, JACOB, US
[71] IMPLUS FOOTCARE, LLC, US
[85] 2017-10-16
[86] 2016-04-21 (PCT/US2016/028685)
[87] (WO2016/190998)
[30] US (62/167,791) 2015-05-28
[30] US (62/182,103) 2015-06-19
[30] US (62/213,037) 2015-09-01

[21] **2,983,041**
[13] A1
[51] **Int.Cl. C12Q 1/00 (2006.01) A61K 39/395 (2006.01) A61P 25/06 (2006.01) C07K 16/26 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **USE OF ANTI-PACAP ANTIBODIES AND ANTIGEN BINDING FRAGMENTS THEREOF FOR TREATMENT, PREVENTION, OR INHIBITION OF PHOTOPHOBIA**
[54] **UTILISATION D'ANTICORPS ANTI-PACAP ET DE LEURS FRAGMENTS DE LIAISON A L'ANTIGENE POUR LE TRAITEMENT, LA PREVENTION OU L'INHIBITION DE LA PHOTOPHOBIE**
[72] ALLISON, DANIEL S., US
[72] HENDRIX, KATHERINE LEE, US
[72] OJALA, ETHAN WAYNE, US
[72] FAN, PEI, US
[72] SMITH, JEFFREY T.L., US
[72] LATHAM, JOHN, US
[72] KARASEK, CHARLIE, US
[72] MULLIGAN, JENNY, US
[72] SCALLEY-KIM, MICHELLE, US
[72] STEWART, ERICA, US
[72] RUBIN, VANESSA LISBETH, US
[72] BILLGREN, JENS J., US
[72] KUBURAS, ADISA, US
[72] MASON, BIANCA, US
[72] SOWERS, LEVI P., US
[72] RUSSO, ANDREW F., US
[72] LOOMIS, MARIA-CRISTINA, US
[72] DUTZAR, BENJAMIN H., US
[72] GARCIA-MARTINEZ, LEON, US
[71] ALDER BIOPHARMACEUTICALS, INC., US
[71] THE UNIVERSITY OF IOWA RESEARCH FOUNDATION, US
[85] 2017-10-16
[86] 2016-04-15 (PCT/US2016/027981)
[87] (WO2016/168760)
[30] US (62/148,550) 2015-04-16
[30] US (62/148,557) 2015-04-16
[30] US (62/148,562) 2015-04-16
[30] US (62/148,583) 2015-04-16
[30] US (62/148,596) 2015-04-16
[30] US (62/148,640) 2015-04-16
[30] US (62/148,643) 2015-04-16

---

[21] **2,983,043**
[13] A1
[51] **Int.Cl. A61F 5/02 (2006.01)**
[25] FR
[54] **VERTEBRAL DECOMPRESSION DEVICE**
[54] **DISPOSITIF DE DECOMPRESSION VERTEBRALE**
[72] BRATIC, DAMIEN, FR
[72] NOEL, ANTOINE, FR
[71] JAPET MEDICAL DEVICES, FR
[85] 2017-10-17
[86] 2016-04-08 (PCT/FR2016/050810)
[87] (WO2016/170244)
[30] FR (1553515) 2015-04-20

---

[21] **2,983,046**
[13] A1
[51] **Int.Cl. A63F 13/825 (2014.01) A63F 13/235 (2014.01) A63F 13/52 (2014.01) A63F 13/58 (2014.01) A63F 13/65 (2014.01) G06F 19/00 (2011.01) H04N 13/00 (2006.01)**
[25] EN
[54] **CONTEXT-AWARE DIGITAL PLAY**
[54] **JEU NUMERIQUE SENSIBLE AU CONTEXTE**
[72] TAYLOR, BENJAMIN PARRY, US
[72] GAJDA, WILLIAM GEORGE, JR., US
[71] HASBRO, INC., US
[85] 2017-10-16
[86] 2016-04-22 (PCT/US2016/028881)
[87] (WO2016/172506)
[30] US (62/151,732) 2015-04-23

---

[21] **2,983,049**
[13] A1
[51] **Int.Cl. F16D 71/04 (2006.01) F03D 80/00 (2016.01) F03B 11/00 (2006.01)**
[25] EN
[54] **TURBINE WITH YAW BRAKE MECHANISM HAVING A ROTOR LOCK AND A CORRESPONDING RECEPTACLE**
[54] **TURBINE A MECANISME DE FREIN D'ORIENTATION COMPRENANT UN VERROU DE ROTOR ET UN RECEPTACLE CORRESPONDANT**
[72] FIRKSER, STEPHEN, US
[72] MCGUIGAN, THOMAS E., US
[71] LOCKHEED MARTIN CORPORATION, US
[85] 2017-08-01
[86] 2016-01-25 (PCT/US2016/014697)
[87] (WO2016/137625)
[30] US (14/629,653) 2015-02-24

---

[21] **2,983,063**
[13] A1
[51] **Int.Cl. B29C 70/68 (2006.01) B29C 70/46 (2006.01) B29C 70/56 (2006.01)**
[25] EN
[54] **A TOOL FOR FORMING A COMPOSITE COMPONENT**
[54] **OUTIL PERMETTANT DE FORMER UN COMPOSANT COMPOSITE**
[72] BARBER, SCOTT, GB
[71] COMPOSITE TECHNOLOGY AND APPLICATIONS LIMITED, GB
[85] 2017-10-17
[86] 2016-04-25 (PCT/GB2016/051155)
[87] (WO2016/174400)
[30] GB (1507418.0) 2015-04-30

---

[21] **2,983,065**
[13] A1
[51] **Int.Cl. B29C 70/68 (2006.01) B29C 70/46 (2006.01) B29C 70/56 (2006.01)**
[25] EN
[54] **A METHOD AND APPARATUS FOR FORMING A COMPOSITE COMPONENT**
[54] **PROCEDE ET APPAREIL DE FORMATION D'UN ELEMENT COMPOSITE**
[72] MORAM, JONATHAN PAUL, GB
[72] WILES, GARY, GB
[72] MARENGO, GIOVANNI ANTONIO, GB
[72] BARTON-SMITH, TERENCE MARK, GB
[71] COMPOSITE TECHNOLOGY AND APPLICATIONS LIMITED, GB
[85] 2017-10-17
[86] 2016-04-25 (PCT/GB2016/051156)
[87] (WO2016/174401)
[30] GB (1507412.3) 2015-04-30

[21] **2,983,070**
[13] A1
[51] **Int.Cl. B29C 70/68 (2006.01) B29C 70/46 (2006.01) B29C 70/56 (2006.01)**
[25] EN
[54] **A METHOD OF MANUFACTURING A COMPOSITE COMPONENT**
[54] **PROCEDE DE PRODUCTION D'ELEMENT COMPOSITE**
[72] MARENGO, GIOVANNI ANTONIO, GB
[71] COMPOSITE TECHNOLOGY AND APPLICATIONS LIMITED, GB
[85] 2017-10-17
[86] 2016-04-25 (PCT/GB2016/051157)
[87] (WO2016/174402)
[30] GB (1507414.9) 2015-04-30

---

[21] **2,983,071**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) G01N 33/574 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **IGF-1R ANTIBODY AND ITS USE FOR THE DIAGNOSIS OF CANCER**
[54] **ANTICORPS ANTI-IGF-1R ET SON UTILISATION POUR LE DIAGNOSTIC DU CANCER**
[72] JOUHANNEAUD, ALEXANDRA, FR
[71] PIERRE FABRE MEDICAMENT, FR
[85] 2017-10-16
[86] 2016-04-27 (PCT/EP2016/059336)
[87] (WO2016/174051)
[30] EP (15305644.5) 2015-04-27

---

[21] **2,983,072**
[13] A1
[51] **Int.Cl. A61B 17/22 (2006.01) A61B 17/00 (2006.01) A61M 1/00 (2006.01) A61M 25/01 (2006.01) A61M 29/00 (2006.01)**
[25] EN
[54] **RAPID ASPIRATION THROMBECTOMY SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE THROMBECTOMIE PAR ASPIRATION RAPIDE**
[72] GARRISON, MICHI E., US
[72] CHOU, TOMY M., US
[72] WILSON, SCOTT D., US
[71] ROUTE 92 MEDICAL, INC., US
[85] 2017-08-01
[86] 2016-02-04 (PCT/US2016/016618)
[87] (WO2016/126974)
[30] US (62/111,841) 2015-02-04
[30] US (62/142,637) 2015-04-03

---

[21] **2,983,073**
[13] A1
[51] **Int.Cl. F16B 11/00 (2006.01) B29C 65/00 (2006.01) B29C 65/48 (2006.01) B29C 65/78 (2006.01) B64C 11/26 (2006.01) G01B 7/00 (2006.01) G01B 21/20 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR BONDING**
[54] **PROCEDES ET SYSTEMES DE COLLAGE**
[72] COLLIS, ANDREW, GB
[72] RICHMOND, NOLAN, GB
[71] COMPOSITE TECHNOLOGY AND APPLICATIONS LIMITED, GB
[85] 2017-10-17
[86] 2016-04-26 (PCT/GB2016/051171)
[87] (WO2016/174412)
[30] GB (1507281.2) 2015-04-29

---

[21] **2,983,080**
[13] A1
[51] **Int.Cl. G06F 17/30 (2006.01)**
[25] EN
[54] **FILTERING DATA LINEAGE DIAGRAMS**
[54] **FILTRAGE DE DIAGRAMMES DE LIGNAGE DE DONNEES**
[72] RADIVOJEVIC, DUSAN, US
[71] AB INITIO TECHNOLOGY LLC, US
[85] 2017-08-02
[86] 2016-02-10 (PCT/US2016/017263)
[87] (WO2016/130626)
[30] US (62/114,691) 2015-02-11

---

[21] **2,983,082**
[13] A1
[51] **Int.Cl. B64C 1/40 (2006.01) F16F 9/04 (2006.01) F16F 9/46 (2006.01) F16F 15/027 (2006.01) G10K 11/172 (2006.01)**
[25] EN
[54] **ACOUSTIC ABATEMENT APPARATUS FOR AN AIRCRAFT**
[54] **APPAREIL DE REDUCTION ACOUSTIQUE POUR UN AERONEF**
[72] MADJLESI, ABDOLREZA, CA
[71] BOMBARDIER INC., CA
[85] 2017-10-17
[86] 2016-04-19 (PCT/IB2016/052224)
[87] (WO2016/174544)
[30] US (62/154,531) 2015-04-29

---

[21] **2,983,087**
[13] A1
[51] **Int.Cl. G06F 3/01 (2006.01) G06F 3/033 (2013.01)**
[25] EN
[54] **METHOD AND DATA ENTRY DEVICE FOR THE ENTRY OF DATA IN ELECTRICAL FORM**
[54] **PROCEDE ET DISPOSITIF D'ENTREE DE DONNEES POUR L'ENTREE DE DONNEES SOUS FORME ELECTRIQUE**
[72] BALINT, GEZA, HU
[71] BALINT, GEZA, HU
[85] 2017-10-17
[86] 2015-11-05 (PCT/HU2015/050015)
[87] (WO2016/170374)
[30] HU (P1500189) 2015-04-24

---

[21] **2,983,095**
[13] A1
[51] **Int.Cl. B64C 31/00 (2006.01) B64C 1/00 (2006.01) B64C 3/56 (2006.01) B64C 13/00 (2006.01) B64C 39/02 (2006.01) B64D 1/08 (2006.01)**
[25] EN
[54] **AN AIRCRAFT FOR AERIAL DELIVERY**
[54] **AERONEF POUR LIVRAISON AERIENNE**
[72] COOK, GEORGE MICHAEL, GB
[72] COOK, JONATHAN EDWARD, GB
[72] COOK, MICHAEL KEVIN, GB
[71] COOK, GEORGE MICHAEL, GB
[85] 2017-10-17
[86] 2016-04-20 (PCT/GB2016/051085)
[87] (WO2016/170321)
[30] GB (1506670.7) 2015-04-20
[30] GB (1506671.5) 2015-04-20

[21] **2,983,096**
[13] A1
[51] **Int.Cl. F04B 13/00 (2006.01) F04B 17/03 (2006.01) F04B 53/14 (2006.01) F04B 53/16 (2006.01)**
[25] EN
[54] **PUMP TRANSMISSION CARRIAGE ASSEMBLY**
[54] **ENSEMBLE CHARIOT DE TRANSMISSION D'UNE POMPE**
[72] SHAW, DEREK R., US
[72] INGEBRAND, JOHN R., US
[72] DANISKI, JOSEPH A., US
[72] ROGERS, DANIEL J., US
[72] MEYER, COREY D., US
[71] GRACO MINNESOTA INC., US
[85] 2017-10-16
[86] 2016-04-29 (PCT/US2016/030160)
[87] (WO2016/179014)
[30] US (62/155,576) 2015-05-01

---

[21] **2,983,097**
[13] A1
[51] **Int.Cl. B64C 31/00 (2006.01) B64C 1/00 (2006.01) B64C 3/56 (2006.01) B64C 13/00 (2006.01) B64C 39/02 (2006.01) B64D 1/08 (2006.01)**
[25] EN
[54] **AN AERIAL DELIVERY ASSEMBLY**
[54] **ENSEMBLE AERIEN DE LIVRAISON**
[72] COOK, GEORGE MICHAEL, GB
[72] COOK, JONATHAN EDWARD, GB
[72] COOK, MICHAEL KEVIN, GB
[71] COOK, GEORGE MICHAEL, GB
[85] 2017-10-17
[86] 2016-04-20 (PCT/GB2016/051086)
[87] (WO2016/170322)
[30] GB (1506671.5) 2015-04-20
[30] GB (1506670.7) 2015-04-20

---

[21] **2,983,098**
[13] A1
[51] **Int.Cl. G06F 17/00 (2006.01) G06F 3/0481 (2013.01) G06F 17/30 (2006.01)**
[25] EN
[54] **TECHNIQUES TO MANAGE BOOKMARKS FOR MEDIA FILES**
[54] **TECHNIQUES DE GESTION DE SIGNETS POUR DES FICHIERS MULTIMEDIA**
[72] CHANDRA, OMEED, US
[72] MUNIANDY, ANBINIYAR, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-10-16
[86] 2016-05-03 (PCT/US2016/030487)
[87] (WO2016/179127)
[30] US (62/157,577) 2015-05-06
[30] US (14/741,619) 2015-06-17

---

[21] **2,983,099**
[13] A1
[51] **Int.Cl. A63H 33/00 (2006.01) A63H 9/00 (2006.01) A63H 17/02 (2006.01)**
[25] EN
[54] **TRANSFORMING TOY**
[54] **JOUET TRANSFORMABLE**
[72] CHOI, JONG-ILL, KR
[71] CHOI, JONG-ILL, KR
[85] 2017-10-17
[86] 2015-05-12 (PCT/KR2015/004711)
[87] (WO2016/182096)

---

[21] **2,983,100**
[13] A1
[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **MEDICAMENT DELIVERY DEVICE HAVING GAS PROPELLANT**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT COMPRENANT UN GAZ PROPULSEUR**
[72] HATCH, STEVEN, GB
[72] WILLOUGHBY, ALASTAIR, GB
[72] MOSELEY, GUY, GB
[72] GARSON, DAN, GB
[71] CONSORT MEDICAL PLC, GB
[85] 2017-10-17
[86] 2016-04-21 (PCT/GB2016/051114)
[87] (WO2016/170346)
[30] GB (1506788.7) 2015-04-21

---

[21] **2,983,101**
[13] A1
[51] **Int.Cl. E21B 36/04 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONDENSATE BLOCKAGE REMOVAL WITH CERAMIC MATERIAL AND MICROWAVES**
[54] **SYSTEME ET PROCEDE POUR L'ELIMINATION DE BLOCAGE DE CONDENSAT AVEC UN MATERIAU CERAMIQUE ET DES MICRO-ONDES**
[72] AYUB, MUHAMMAD, SA
[72] BATARSEH, SAMEEH I., SA
[72] HABIB, NABEEL S., SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2017-10-16
[86] 2016-05-03 (PCT/US2016/030495)
[87] (WO2016/179132)
[30] US (62/157,237) 2015-05-05

---

[21] **2,983,103**
[13] A1
[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **MEDICAMENT DELIVERY DEVICE HAVING GAS PROPELLANT**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT COMPRENANT UN GAZ PROPULSEUR**
[72] ANDERSON, IAN, GB
[72] WILLOUGHBY, ALASTAIR, GB
[72] KOPPELMAN, RACHEL, GB
[71] CONSORT MEDICAL PLC, GB
[85] 2017-10-17
[86] 2016-04-21 (PCT/GB2016/051115)
[87] (WO2016/170347)
[30] GB (1506789.5) 2015-04-21

---

[21] **2,983,106**
[13] A1
[51] **Int.Cl. A63H 33/00 (2006.01) A63H 3/04 (2006.01) A63H 3/16 (2006.01)**
[25] EN
[54] **POP-UP TOY**
[54] **JOUET SURGISSANT**
[72] CHOI, JONG-ILL, KR
[71] CHOI, JONG-ILL, KR
[85] 2017-10-17
[86] 2016-02-19 (PCT/KR2016/001659)
[87] (WO2016/182175)
[30] KR (10-2015-0065525) 2015-05-11

[21] **2,983,107**
[13] A1
[51] **Int.Cl. E21B 47/18 (2012.01) E21B 44/02 (2006.01)**
[25] EN
[54] **DOWN-HOLE COMMUNICATION ACROSS A MUD MOTOR**
[54] **COMMUNICATION DE FOND DE TROU DE PART ET D'AUTRE D'UN MOTEUR A BOUE**
[72] DOUGLAS, HUGH, GB
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-10-17
[86] 2015-05-19 (PCT/US2015/031598)
[87] (WO2016/186660)

---

[21] **2,983,109**
[13] A1
[51] **Int.Cl. G06Q 10/10 (2012.01) G06F 17/30 (2006.01)**
[25] EN
[54] **MANAGEMENT OF COMMITMENTS AND REQUESTS EXTRACTED FROM COMMUNICATIONS AND CONTENT**
[54] **GESTION DES ENGAGEMENTS ET DEMANDES EXTRAITS A PARTIR DE COMMUNICATIONS ET DE CONTENUS**
[72] BENNETT, PAUL NATHAN, US
[72] GHOTBI, NIKROUZ, US
[72] HORVITZ, ERIC JOEL, US
[72] HUGHES, RICHARD L., US
[72] SINGH, PRABHDEEP, US
[72] WHITE, RYEN WILLIAM, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-10-16
[86] 2016-05-04 (PCT/US2016/030615)
[87] (WO2016/186834)
[30] US (14/714,109) 2015-05-15

---

[21] **2,983,112**
[13] A1
[51] **Int.Cl. B01D 53/64 (2006.01) B01D 53/14 (2006.01) B01D 53/96 (2006.01)**
[25] EN
[54] **PROCESS, METHOD, AND SYSTEM FOR REMOVING MERCURY FROM FLUIDS**
[54] **PROCESSUS, PROCEDE ET SYSTEME D'ELIMINATION DU MERCURE DE FLUIDES**
[72] O'REAR, DENNIS JOHN, US
[72] WANG, WEI, US
[71] CHEVRON U.S.A. INC., US
[85] 2017-10-16
[86] 2016-05-16 (PCT/US2016/032727)
[87] (WO2016/183581)
[30] US (62/161,304) 2015-05-14

---

[21] **2,983,113**
[13] A1
[51] **Int.Cl. E21B 10/62 (2006.01) E21B 10/42 (2006.01) E21B 10/46 (2006.01)**
[25] EN
[54] **DRILL BIT WITH REINFORCED BINDER ZONES**
[54] **TREPAN DE FORAGE A ZONES DE LIANT RENFORCE**
[72] VOGLEWEDE, BRENDAN, US
[72] COOK, GRANT O., III, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-10-17
[86] 2015-06-11 (PCT/US2015/035327)
[87] (WO2016/200389)

---

[21] **2,983,115**
[13] A1
[51] **Int.Cl. E21B 10/573 (2006.01) E21B 10/54 (2006.01)**
[25] EN
[54] **ATTACHMENT OF TSP DIAMOND RING USING BRAZING AND MECHANICAL LOCKING**
[54] **FIXATION D'ANNEAU EN DIAMANT POLYCRISTALLIN THERMIQUEMENT STABLE A L'AIDE D'UN BRASAGE ET D'UN VERROUILLAGE MECANIQUE**
[72] SAINI, GAGAN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-10-17
[86] 2015-06-26 (PCT/US2015/037941)
[87] (WO2016/209256)

---

[21] **2,983,116**
[13] A1
[51] **Int.Cl. F21V 21/116 (2006.01) F21V 29/76 (2015.01) F21S 8/08 (2006.01) F21V 15/01 (2006.01) F21V 23/00 (2015.01) F21K 9/00 (2016.01)**
[25] EN
[54] **MODULAR AREA LUMINAIRE**
[54] **APPAREIL D'ECLAIRAGE DE ZONE MODULAIRE**
[72] DUCKWORTH, JASON, US
[71] HUBBELL INCORPORATED, US
[85] 2017-10-17
[86] 2015-12-30 (PCT/US2015/068120)
[87] (WO2016/175902)
[30] US (62/155,189) 2015-04-30

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[21] **2,983,119**
[13] A1
[51] **Int.Cl. G06K 7/01 (2006.01) G06K 7/10 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **ARRANGEMENT FOR AND METHOD OF COMPATIBLY DOCKING A CORDLESS ELECTRO-OPTICAL READER WITH DIFFERENT DOCKING STATIONS**
[54] **DISPOSITIF ET PROCEDE POUR L'ACCUEIL EN COMPATIBILITE D'UN LECTEUR ELECTRO-OPTIQUE SANS FIL AVEC DIFFERENTES STATIONS D'ACCUEIL**
[72] DRZYMALA, MARK E., US
[72] BARKAN, EDWARD D., US
[72] GIORDANO, JOSEPH D., US
[72] MITELMAN, YULY, US
[71] SYMBOL TECHNOLOGIES, LLC, US
[85] 2017-10-17
[86] 2016-03-17 (PCT/US2016/022775)
[87] (WO2016/175930)
[30] US (14/697,929) 2015-04-28

[21] **2,983,123**
[13] A1
[51] **Int.Cl. A47B 96/00 (2006.01) A47B 3/00 (2006.01) A47B 3/08 (2006.01) A47B 13/00 (2006.01) E05C 3/12 (2006.01) E05C 9/04 (2006.01) G05G 1/02 (2006.01)**
[25] EN
[54] **ARTICLE OF FURNITURE HAVING A LATCH MECHANISM**
[54] **MEUBLE AYANT UN MECANISME DE VERROUILLAGE**
[72] KRUSIN, MARC, GB
[72] RUZICKA, PAVEL, US
[72] HARPER, MICHAEL, US
[71] KNOLL, INC., US
[85] 2017-10-17
[86] 2016-04-13 (PCT/US2016/027183)
[87] (WO2016/171966)
[30] US (62/151,095) 2015-04-22
[30] US (15/096,387) 2016-04-12

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[21] **2,983,124**
[13] A1
[51] **Int.Cl. G06Q 10/10 (2012.01) G06F 17/30 (2006.01)**
[25] EN
[54] **AUTOMATIC EXTRACTION OF COMMITMENTS AND REQUESTS FROM COMMUNICATIONS AND CONTENT**
[54] **EXTRACTION AUTOMATIQUE D'ENGAGEMENTS ET DE DEMANDES A PARTIR DE COMMUNICATIONS ET DE CONTENUS**
[72] BENNETT, PAUL NATHAN, US
[72] CHANDRASEKARAN, NIRUPAMA, US
[72] GAMON, MICHAEL, US
[72] GHOTBI, NIKROUZ, US
[72] HORVITZ, ERIC JOEL, US
[72] HUGHES, RICHARD L., US
[72] SINGH, PRABHDEEP, US
[72] WHITE, RYEN WILLIAM, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-10-17
[86] 2016-04-16 (PCT/US2016/028002)
[87] (WO2016/186774)
[30] US (14/714,137) 2015-05-15

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[21] **2,983,145**
[13] A1
[51] **Int.Cl. A61B 34/20 (2016.01) A61B 90/00 (2016.01) A61B 6/12 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FUSED IMAGE BASED NAVIGATION WITH LATE MARKER PLACEMENT**
[54] **SYSTEME ET PROCEDE DE NAVIGATION A BASE D'IMAGES FUSIONNEES AVEC PLACEMENT TARDIF DE REPERES**
[72] BOCTOR, EMAD MIKHAIL, US
[72] STOLKA, PHILIPP JAKOB, US
[72] BASAFA, EHSAN, US
[72] FOROUGHI, PEZHMAN, US
[72] HAGER, GREGORY DONALD, US
[71] CLEAR GUIDE MEDICAL, INC., US
[85] 2017-10-17
[86] 2016-04-18 (PCT/US2016/028146)
[87] (WO2016/168839)
[30] US (14/689,849) 2015-04-17

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[21] **2,983,149**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 10/08 (2012.01)**
[25] EN
[54] **INTEGRATED ASSET INTERGRITY MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION D'INTEGRITE D'ACTIFS INTEGRE**
[72] BUCA, PETER, US
[72] SAYAVICH, WILLIAM E., US
[71] PARKER-HANNIFAN CORPORATION, US
[85] 2017-10-17
[86] 2016-04-20 (PCT/US2016/028348)
[87] (WO2016/186790)
[30] US (62/162,108) 2015-05-15

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[21] **2,983,160**
[13] A1
[51] **Int.Cl. F16J 15/34 (2006.01) F16J 15/447 (2006.01)**
[25] EN
[54] **SHAFT SEAL ASSEMBLY**
[54] **ENSEMBLE JOINT D'ARBRE**
[72] SHAH, CHINTAN, US
[72] HOEHLE, NEIL F., US
[71] INPRO/SEAL LLC, US
[85] 2017-10-17
[86] 2016-04-21 (PCT/US2016/028667)
[87] (WO2016/172354)
[30] US (62/150,633) 2015-04-21
[30] US (62/210,066) 2015-08-26

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[21] **2,983,167**
[13] A1
[51] **Int.Cl. B42D 25/328 (2014.01) B42D 25/342 (2014.01) B42D 25/41 (2014.01) B42D 25/425 (2014.01) B42D 25/435 (2014.01)**
[25] EN
[54] **SECURITY DOCUMENT AND METHOD OF MANUFACTURING**
[54] **DOCUMENT DE SECURITE ET PROCEDE DE FABRICATION**
[72] WESSELINK, WILHELMUS JOHANNES, NL
[72] VAN DEN BERG, JAN, NL
[71] MORPHO B.V., NL
[85] 2017-10-17
[86] 2016-04-20 (PCT/NL2016/050277)
[87] (WO2016/171552)
[30] NL (2014690) 2015-04-22

---

[21] **2,983,170**
[13] A1
[51] **Int.Cl. A61G 5/00 (2006.01) A61G 5/10 (2006.01) B62B 3/14 (2006.01)**
[25] EN
[54] **NESTABLE TRANSPORT DEVICE**
[54] **DISPOSITIF DE TRANSPORT EMBOITABLE**
[72] BOD, FRANK, NL
[71] BERGH SPECIAL PRODUCTS BV, NL
[85] 2017-10-17
[86] 2016-04-20 (PCT/NL2016/050279)
[87] (WO2016/171554)
[30] NL (2014714) 2015-04-24

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[21] **2,983,180**
[13] A1
[51] **Int.Cl. E21B 19/16 (2006.01) E21B 17/04 (2006.01) E21B 19/12 (2006.01)**
[25] EN
[54] **ALTERNATIVE LOCKING ARRANGEMENTS FOR TUBULAR CONNECTIONS**
[54] **VARIANTES D'AGENCEMENTS DE VERROUILLAGE POUR RACCORDEMENTS TUBULAIRES**
[72] CURRY, PETER, GB
[71] BRITANNIA ENGINEERING (ISLE OF MAN) LIMITED, GB
[85] 2017-10-17
[86] 2016-04-29 (PCT/GB2016/051255)
[87] (WO2016/174473)
[30] GB (1507389.3) 2015-04-30

[21] **2,983,187**
[13] A1
[51] **Int.Cl. G01L 3/14 (2006.01) F02C 7/00 (2006.01)**
[25] FR
[54] **DEFORMATION MEASURING TORQUE METER**
[54] **COUPLEMETRE A MESURE DE DEFORMATION**
[72] FULLERINGER, BENJAMIN, FR
[72] BUENO, ARMAND, FR
[72] CAZAUX, YANNICK, FR
[71] SAFRAN HELICOPTER ENGINES, FR
[85] 2017-10-18
[86] 2016-04-20 (PCT/FR2016/050916)
[87] (WO2016/174330)
[30] FR (1553756) 2015-04-27

[21] **2,983,194**
[13] A1
[51] **Int.Cl. A61B 10/00 (2006.01) A61J 1/00 (2006.01)**
[25] FR
[54] **MICROORGANISM SAMPLING METHOD, MICROORGANISM SAMPLING DEVICE AND SAMPLING KIT COMPRISING SUCH A SAMPLING DEVICE**
[54] **PROCEDE DE PRELEVEMENT DE MICRO-ORGANISMES, DISPOSITIF DE PRELEVEMENT DE MICRO-ORGANISMES ET KIT DE PRELEVEMENT COMPRENANT UN TEL DISPOSITIF DE PRELEVEMENT**
[72] SCHWINTNER, CAROLE, FR
[72] AFFAGARD, HERVE, FR
[72] DORE, JOEL, FR
[71] MAAT PHARMA, FR
[71] INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE, FR
[85] 2017-10-18
[86] 2016-04-22 (PCT/FR2016/050963)
[87] (WO2016/170290)
[30] FR (1553721) 2015-04-24

[21] **2,983,198**
[13] A1
[51] **Int.Cl. A61K 31/4192 (2006.01) A61K 31/055 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **ONCE-DAILY TREATMENT OF PULMONARY FIBROSIS**
[54] **TRAITEMENT EN PRISE QUOTIDIENNE UNIQUE DE LA FIBROSE PULMONAIRE**
[72] SCHAMBYE, HANS, DK
[72] PEDERSEN, ANDERS, DK
[72] FORD, PAUL, GB
[71] GALECTO BIOTECH AB, DK
[85] 2017-10-18
[86] 2015-05-12 (PCT/EP2015/060456)
[87] (WO2016/180483)

[21] **2,983,212**
[13] A1
[51] **Int.Cl. D21H 21/18 (2006.01) D21H 17/37 (2006.01)**
[25] EN
[54] **A COMPOSITION FOR USE AS A PAPER STRENGTH AGENT**
[54] **COMPOSITION DESTINEE A ETRE UTILISEE COMME AGENT DE RESISTANCE POUR PAPIER**
[72] LUO, YUPING, US
[72] LI, JIANG, US
[72] LYNCH, THOMAS J., US
[72] RABIDEAU, JENNA SUE, US
[72] ROSENCRANCE, SCOTT, US
[71] KEMIRA OYJ, FI
[85] 2017-10-18
[86] 2016-04-19 (PCT/FI2016/050256)
[87] (WO2016/170230)
[30] US (62/149,940) 2015-04-20

[21] **2,983,221**
[13] A1
[51] **Int.Cl. A47L 23/22 (2006.01) A47G 27/02 (2006.01) A61L 2/16 (2006.01)**
[25] EN
[54] **DOORMAT WITH DECONTAMINATING DEVICE**
[54] **PAILLASSON COMPORTANT UN DISPOSITIF DE DECONTAMINATION**
[72] LATTERI, ALESSANDRA, IT
[71] LATTERI, ALESSANDRA, IT
[85] 2017-10-18
[86] 2016-05-26 (PCT/IB2016/000718)
[87] (WO2016/189380)
[30] IT (102015000018063) 2015-05-26

[21] **2,983,230**
[13] A1
[51] **Int.Cl. G01D 5/12 (2006.01) B82Y 15/00 (2011.01) H02J 50/10 (2016.01) A47F 13/00 (2006.01) A47G 23/00 (2006.01) G01D 5/00 (2006.01) G01D 5/20 (2006.01) G01K 1/02 (2006.01) G01K 7/00 (2006.01) G01N 37/00 (2006.01) G09F 3/00 (2006.01)**
[25] EN
[54] **ENVIRONMENTAL AND PRODUCT SENSING**
[54] **DETECTION D'ENVIRONNEMENT ET DE PRODUIT**
[72] LAWLER, CASIMIR E., JR., US
[71] PAKSENSE, INC., US
[85] 2017-10-17
[86] 2016-04-22 (PCT/US2016/029041)
[87] (WO2016/172626)
[30] US (62/151,185) 2015-04-22

[21] **2,983,238**
[13] A1
[51] **Int.Cl. F24J 2/42 (2006.01) F24J 2/48 (2006.01) F28D 13/00 (2006.01) F28D 19/02 (2006.01)**
[25] EN
[54] **DEVICE FOR COLLECTING SOLAR ENERGY BY MEANS OF A CONCENTRATOR OF THE NONIMAGING TYPE**
[54] **DISPOSITIF SERVANT A COLLECTER DE L'ENERGIE SOLAIRE AU MOYEN D'UN CONCENTRATEUR DU TYPE CONCENTRATEUR PAR REFLEXION**
[72] DE RICCARDIS, ANDREA, IT
[72] KOCH, TOBIAS, CH
[72] AL-YOUSEF, YOUSEF M., SA
[71] KING ABDULAZIZ CITY FOR SCIENCE & TECHNOLOGY, SA
[71] EZ-ENERGIES GMBH, DE
[85] 2017-10-18
[86] 2016-04-21 (PCT/IB2016/052255)
[87] (WO2016/170485)
[30] IT (102015000012520) 2015-04-21

[21] **2,983,243**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/28 (2012.01)**
[25] EN
[54] **LOCATION-BASED PICK UP AND DELIVERY SERVICES**
[54] **SERVICES DE RETRAIT ET DE LIVRAISON BASES SUR UN EMPLACEMENT**
[72] GILLEN, ROBERT J., US
[72] SISCO, DAVID, US
[72] ZOROMSKY, SARA, US
[72] ENYART, JEFF, US
[72] ROBINSON, KALIN, US
[72] CARDER, DAVID, US
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US
[85] 2017-10-18
[86] 2016-04-22 (PCT/IB2016/052317)
[87] (WO2016/170515)
[30] US (62/152,155) 2015-04-24

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[21] **2,983,245**
[13] A1
[51] **Int.Cl. A63H 27/10 (2006.01) B63B 22/16 (2006.01)**
[25] EN
[54] **SELF INFLATING BALLOON**
[54] **BALLONNET AUTOGONFLABLE**
[72] HALLIBURTON, JAMES, GB
[71] SEATRIEVER INTERNATIONAL HOLDINGS LIMITED, GB
[85] 2017-10-18
[86] 2015-04-22 (PCT/GB2015/051187)
[87] (WO2015/162420)
[30] GB (1407064.3) 2014-04-22

---

[21] **2,983,247**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/28 (2012.01)**
[25] EN
[54] **SECURE LOCATION-BASED EVENTS AND NOTIFICATIONS**
[54] **EVENEMENTS ET NOTIFICATIONS BASES SUR UN EMPLACEMENT SECURISE**
[72] GILLEN, ROBERT J., US
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US
[85] 2017-10-18
[86] 2016-04-14 (PCT/US2016/027528)
[87] (WO2016/171996)
[30] US (62/152,068) 2015-04-24

---

[21] **2,983,251**
[13] A1
[51] **Int.Cl. F41J 5/02 (2006.01) F41J 3/02 (2006.01) F41J 5/10 (2006.01)**
[25] EN
[54] **AUTOMATIC DARTBOARD SCORING SYSTEM**
[54] **SYSTEME DE COMPTAGE DE CIBLE AUTOMATIQUE**
[72] DALE, JASON, GB
[72] MOORE, STEPHEN, GB
[71] FLIGHT PATH IP LIMITED, GB
[85] 2017-10-18
[86] 2016-05-19 (PCT/GB2016/051441)
[87] (WO2016/203194)
[30] GB (1510727.9) 2015-06-18
[30] US (14/984,585) 2015-12-30

---

[21] **2,983,253**
[13] A1
[51] **Int.Cl. E21B 33/13 (2006.01) E21B 33/138 (2006.01)**
[25] EN
[54] **FLOW CONTROL IN SUBTERRANEAN WELLS**
[54] **REGULATION DE DEBIT DANS DES PUITS SOUTERRAINS**
[72] SCHULTZ, ROGER L., US
[72] WATSON, BROCK W., US
[72] FERGUSON, ANDREW M., US
[72] FUNKHOUSER, GARY P., US
[71] THRU TUBING SOLUTIONS, INC., US
[85] 2017-10-17
[86] 2016-04-26 (PCT/US2016/029314)
[87] (WO2016/176181)
[30] US (14/698,578) 2015-04-28
[30] US (PCT/US2015/038248) 2015-06-29
[30] US (62/252,174) 2015-11-06

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[21] **2,983,255**
[13] A1
[51] **Int.Cl. F16K 47/14 (2006.01) F16K 1/52 (2006.01)**
[25] EN
[54] **NOISE REDUCING DIFFUSER TRIM WITH CHEVRONS**
[54] **MECANISME DE DIFFUSEUR REDUCTEUR DE BRUIT AVEC CHEVRONS**
[72] FAGERLUND, ALLEN C., US
[72] EILERS, DANIEL J., US
[71] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2017-10-18
[86] 2016-04-21 (PCT/US2016/028578)
[87] (WO2016/172301)
[30] US (62/150,733) 2015-04-21

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[21] **2,983,258**
[13] A1
[51] **Int.Cl. G01F 25/00 (2006.01) G01D 5/12 (2006.01) G05D 9/12 (2006.01) G01D 11/20 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING LEVER LOCKING POSITIONS ON LIQUID LEVEL CONTROLLERS**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE DETECTER DES POSITIONS DE VERROUILLAGE DE LEVIER SUR DES DISPOSITIFS DE REGULATION DE NIVEAU DE LIQUIDE**
[72] LEI, ZHANG, SG
[71] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2017-10-18
[86] 2016-04-21 (PCT/US2016/028582)
[87] (WO2016/172303)
[30] US (62/150,714) 2015-04-21

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[21] **2,983,268**
[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) A61K 38/18 (2006.01) A61K 38/24 (2006.01)**
[25] EN
[54] **FIBROBLAST GROWTH FACTOR (FGF) 1 MUTANTS AND METHODS OF USE TO REDUCE BLOOD GLUCOSE**
[54] **MUTANTS DU FACTEUR DE CROISSANCE DES FIBROBLASTES (FGF) 1 ET LEURS PROCEDES D'UTILISATION POUR REDUIRE LE GLUCOSE SANGUIN**
[72] EVANS, RONALD M., US
[72] DOWNES, MICHAEL, US
[72] ATKINS, ANNETTE, US
[72] YU, RUTH T., US
[71] SALK INSTITUTE FOR BIOLOGICAL STUDIES, US
[85] 2017-10-18
[86] 2016-04-20 (PCT/US2016/028368)
[87] (WO2016/172156)
[30] US (62/149,909) 2015-04-20

[21] **2,983,273**
[13] A1
[51] **Int.Cl. E21B 33/13 (2006.01) E21B 43/10 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **DISAPPEARING EXPANDABLE CLADDING**
[54] **CHEMISAGE EXPANSIBLE DISPARAISSANT**
[72] KITZMAN, JEFFERY D., US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2017-10-18
[86] 2016-04-22 (PCT/US2016/028967)
[87] (WO2016/172568)
[30] US (14/693,594) 2015-04-22

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[21] **2,983,275**
[13] A1
[51] **Int.Cl. E01H 10/00 (2006.01) A01C 15/00 (2006.01) E01C 19/20 (2006.01)**
[25] EN
[54] **MATERIAL SPREADING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'ETALEMENT DE MATERIAU**
[72] KOHN, NATHAN BENJAMIN, US
[71] APPLY RIGHT, LLC, US
[85] 2017-10-18
[86] 2016-04-22 (PCT/US2016/028989)
[87] (WO2016/172586)
[30] US (62/151,558) 2015-04-23

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[21] **2,983,279**
[13] A1
[51] **Int.Cl. G06F 9/445 (2006.01) G06F 11/34 (2006.01) G06F 17/30 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EXTRACTING AND SHARING APPLICATION-RELATED USER DATA**
[54] **SYSTEME ET PROCEDE D'EXTRACTION ET DE PARTAGE DE DONNEES D'UTILISATEUR ASSOCIEES A UNE APPLICATION**
[72] RIVA, ORIANA, US
[72] NATH, SUMAN KUMAR, US
[72] BURGER, DOUGLAS CHRISTOPHER, US
[72] FERNANDES, EARLENCE TEZROYD, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-10-17
[86] 2016-05-04 (PCT/US2016/030614)
[87] (WO2016/186833)
[30] US (62/162,594) 2015-05-15
[30] US (14/734,991) 2015-06-09

---

[21] **2,983,286**
[13] A1
[51] **Int.Cl. G06Q 10/10 (2012.01)**
[25] EN
[54] **INTELLIGENT SURFACING OF REMINDERS**
[54] **MISE EN AVANT PLAN INTELLIGENTE DE RAPPELS**
[72] CREIGHTON, JASON TIMOTHY, US
[72] WANKHEDE, AMOL, US
[72] HORVITZ, ERIC, US
[72] NANDI, AJOY, US
[72] LIM, MELISSA N., US
[72] DESHPANDE, MANGESH, US
[72] KOCH, PAUL, US
[72] KRUMM, JOHN CHARLES, US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-10-17
[86] 2016-05-20 (PCT/US2016/033384)
[87] (WO2016/191223)
[30] US (14/720,136) 2015-05-22

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[21] **2,983,288**
[13] A1
[51] **Int.Cl. G06F 17/00 (2006.01) G06Q 10/10 (2012.01) H04L 12/58 (2006.01)**
[25] EN
[54] **UNIFIED MESSAGING PLATFORM FOR PROVIDING INTERACTIVE SEMANTIC OBJECTS**
[54] **PLATEFORME DE MESSAGERIE UNIFIEE CONCUE POUR FOURNIR DES OBJETS SEMANTIQUES INTERACTIFS**
[72] MACDONALD, BRIAN, US
[72] LANE, MIRA, US
[72] WALDMAN, LARRY, US
[72] VOSS, CHAD, US
[72] DEL ROSARIO, DIEGO BACA, US
[72] SPIZIRI, ANDREW, US
[72] BLISS, WILLIAM J., US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-10-17
[86] 2016-05-20 (PCT/US2016/033385)
[87] (WO2016/191224)
[30] US (62/165,856) 2015-05-22
[30] US (14/798,905) 2015-07-14

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[21] **2,983,298**
[13] A1
[51] **Int.Cl. H02H 3/00 (2006.01)**
[25] EN
[54] **SWITCH CONTROLLED MOTOR OPERATED DEVICES**
[54] **DISPOSITIFS MOTORISES COMMANDES PAR COMMUTATEUR**
[72] RUFFO, MATTHEW J., US
[72] RUZICA, PAUL J., US
[71] FLUID HANDLING LLC, US
[85] 2017-10-18
[86] 2016-04-20 (PCT/US2016/028382)
[87] (WO2016/172168)
[30] US (62/149,966) 2015-04-20

---

[21] **2,983,305**
[13] A1
[51] **Int.Cl. E21B 33/06 (2006.01)**
[25] EN
[54] **SHEAR BLOCK DESIGN FOR BLOWOUT PREVENTER**
[54] **CONCEPTION DE BLOC DE CISAILLEMENT POUR OBTURATEUR ANTI-ERUPTION**
[72] HOLLAND, WILLIAM RINEHART JR., US
[71] AXON PRESSURE PRODUCTS INC., US
[85] 2017-10-18
[86] 2016-04-06 (PCT/US2016/026227)
[87] (WO2016/171910)
[30] US (14/692,370) 2015-04-21

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[21] **2,983,309**
[13] A1
[51] **Int.Cl. B65B 13/02 (2006.01) B65B 27/00 (2006.01)**
[25] EN
[54] **BANDING DEVICE**
[54] **DISPOSITIF DE CERCLAGE**
[72] SCHUTTLER, DAVID L., US
[72] BUROUT, CHARLES J., US
[71] AVERY DENNISON CORPORATION, US
[85] 2017-10-18
[86] 2016-04-27 (PCT/US2016/029468)
[87] (WO2016/176272)
[30] US (62/154,395) 2015-04-29

[21] **2,983,310**
[13] A1
[51] **Int.Cl. F04B 49/06 (2006.01) F04B 13/00 (2006.01) F04B 17/03 (2006.01) F04B 49/20 (2006.01)**
[25] EN
[54] **ADAPTIVE FLOW CONTROL**
[54] **CONTROLE DE FLUX ADAPTATIF**
[72] DANISKI, JOSEPH A., US
[72] STONE, THEODORE J., US
[71] GRACO MINNESOTA INC., US
[85] 2017-10-18
[86] 2016-04-28 (PCT/US2016/029688)
[87] (WO2016/178890)
[30] US (62/155,587) 2015-05-01

[21] **2,983,314**
[13] A1
[51] **Int.Cl. A01N 43/42 (2006.01)**
[25] EN
[54] **MITRAGYNINE ANALOGS AND USES THEREOF**
[54] **ANALOGUES DE LA MITRAGYNINE ET LEURS UTILISATIONS**
[72] PASTERNAK, GAVRIL, US
[72] MAJUMDAR, SUSRUTA, US
[72] KARIMOV, RASHAD, US
[72] VARADI, ANDRAS, US
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[85] 2017-10-18
[86] 2016-04-29 (PCT/US2016/030305)
[87] (WO2016/176657)
[30] US (62/155,248) 2015-04-30

[21] **2,983,332**
[13] A1
[51] **Int.Cl. C12N 5/077 (2010.01) A61K 35/34 (2015.01) C12N 5/02 (2006.01)**
[25] EN
[54] **GENERATION OF MUSCLE-LINEAGE CELLS FROM STEM CELLS**
[54] **GENERATION DE CELLULES DE LIGNEES MUSCULAIRES A PARTIR DE CELLULES SOUCHES**
[72] SCHMIDT, ULI, AU
[72] CARON, LESLIE, AU
[71] GENEA IP HOLDINGS PTY LTD, AU
[85] 2017-10-19
[86] 2016-04-22 (PCT/AU2016/000144)
[87] (WO2016/168890)
[30] US (62/151,352) 2015-04-22

[21] **2,983,333**
[13] A1
[51] **Int.Cl. A61N 1/36 (2006.01) A61B 5/0484 (2006.01) A61N 1/05 (2006.01)**
[25] EN
[54] **BRAIN NEUROSTIMULATOR ELECTRODE FITTING**
[54] **FIXATION D'ELECTRODE DE NEUROSTIMULATEUR CEREBRAL**
[72] PARKER, JOHN LOUIS, AU
[72] GMEL, GERRIT EDUARD, CH
[71] SALUDA MEDICAL PTY LTD, AU
[85] 2017-10-19
[86] 2016-05-31 (PCT/AU2016/050430)
[87] (WO2016/191807)
[30] AU (2015902021) 2015-05-31

[21] **2,983,334**
[13] A1
[51] **Int.Cl. B65D 41/04 (2006.01) B65D 41/34 (2006.01) B65D 51/14 (2006.01) B65D 51/16 (2006.01)**
[25] EN
[54] **CONTAINER CLOSURE**
[54] **FERMETURE DE RECIPIENT**
[72] RUSSELL, MARK N., US
[72] LUKER, CHARLES E., US
[71] BERRY PLASTICS CORPORATION, US
[85] 2017-10-18
[86] 2016-05-02 (PCT/US2016/030369)
[87] (WO2016/176672)
[30] US (62/154,995) 2015-04-30

[21] **2,983,335**
[13] A1
[51] **Int.Cl. H04W 16/18 (2009.01) H04B 17/309 (2015.01) H04B 17/391 (2015.01) G01R 29/08 (2006.01)**
[25] EN
[54] **ANALYZING WIRELESS SIGNAL PROPAGATION**
[54] **ANALYSE DE PROPAGATION DE SIGNAL SANS FIL**
[72] KRAVETS, OLEKSIY, CA
[71] COGNITIVE SYSTEMS CORP., CA
[85] 2017-10-19
[86] 2015-07-29 (PCT/CA2015/000446)
[87] (WO2016/191845)
[30] US (14/730,688) 2015-06-04

[21] **2,983,336**
[13] A1
[51] **Int.Cl. A61B 5/0484 (2006.01) A61N 1/05 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **MONITORING BRAIN NEURAL ACTIVITY**
[54] **SURVEILLANCE DE L'ACTIVITE NEURALE DU CERVEAU**
[72] PARKER, JOHN LOUIS, AU
[72] GMEL, GERRIT EDUARD, AU
[71] SALUDA MEDICAL PTY LTD, AU
[85] 2017-10-19
[86] 2016-05-31 (PCT/AU2016/050431)
[87] (WO2016/191808)
[30] AU (2015902022) 2015-05-31

[21] **2,983,337**
[13] A1
[51] **Int.Cl. A61K 9/14 (2006.01) A61K 9/50 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS AND METHODS FOR FABRICATION OF SOLID MASSES COMPRISING POLYPEPTIDES AND/OR PROTEINS**
[54] **COMPOSITIONS PHARMACEUTIQUES ET PROCEDES DE FABRICATION DE MASSES SOLIDES COMPRENANT DES POLYPEPTIDES ET/OU DES PROTEINES**
[72] IMRAN, MIR, US
[72] MORALES, MERCEDES, US
[72] KORUPOLU, RADHIKA, US
[72] TO, ELAINE, US
[72] HARRIS, JOEL, US
[72] HASHIM, MIR, US
[71] INCUBE LABS, LLC, US
[85] 2017-10-18
[86] 2016-05-02 (PCT/US2016/030480)
[87] (WO2016/179120)
[30] US (62/156,105) 2015-05-01

[21] **2,983,338**
[13] A1
[51] **Int.Cl. B01D 53/56 (2006.01) B01D 53/86 (2006.01) C04B 7/36 (2006.01)**
[25] EN
[54] **TREATMENT OF EXHAUST GASES FROM CEMENT CLINKER PRODUCTION**
[54] **TRAITEMENT DE GAZ D'ECHAPPEMENT DE LA PRODUCTION DE CLINKER**
[72] FEDERHEN, STEFAN, DE
[71] HEIDELBERGCEMENT AG, DE
[85] 2017-10-19
[86] 2016-04-08 (PCT/EP2016/000585)
[87] (WO2016/169638)
[30] EP (15001227.6) 2015-04-24

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[21] **2,983,339**
[13] A1
[51] **Int.Cl. G06K 9/78 (2006.01) H04H 60/31 (2009.01) H04H 60/33 (2009.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **DISPLAY SYSTEMS USING FACIAL RECOGNITION FOR VIEWERSHIP MONITORING PURPOSES**
[54] **SYSTEMES D'AFFICHAGE UTILISANT LA RECONNAISSANCE FACIALE A DES FINS DE SURVEILLANCE DE PERSONNES REGARDANT DES DISPOSITIFS D'AFFICHAGE**
[72] TAGO, CHARLIE, CA
[72] WANG, DAVID, CN
[72] RANGINYA, TAGO, AE
[72] HIEBERT, JEFFREY, CA
[71] IDK INTERACTIVE INC., CA
[85] 2017-10-19
[86] 2015-08-27 (PCT/CA2015/050823)
[87] (WO2016/187692)
[30] US (62/166,804) 2015-05-27

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[21] **2,983,340**
[13] A1
[51] **Int.Cl. B31B 70/26 (2017.01) B31B 70/74 (2017.01)**
[25] EN
[54] **METHOD OF FORMING FLEXIBLE CONTAINERS WITH GUSSETS**
[54] **PROCEDE POUR FORMER DES RECIPIENTS SOUPLES COMPORTANT DES SOUFFLETS**
[72] ISHIHARA, TADAYOSHI, US
[72] LESTER, JOSEPH CRAIG, US
[72] BOURGEOIS, MARC RICHARD, US
[72] MCGUIRE, KENNETH STEPHEN, US
[72] CLARE, BENJAMIN JACOB, US
[72] STANLEY, SCOTT KENDYL, US
[72] ARENT, LEE MATHEW, US
[72] YOU, JUN, US
[72] RAPACH, ANDRE PAUL, US
[72] BERG, CHARLES JOHN, JR., US
[72] GUNNERSON, KORY ADAM, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2017-10-18
[86] 2016-05-03 (PCT/US2016/030498)
[87] (WO2016/179135)
[30] US (62/157,766) 2015-05-06

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[21] **2,983,342**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4375 (2006.01) A61P 29/00 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **NOVEL DIHYDROPYRIDOISOQUINOLINONES AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR THE TREATMENT OF INFLAMMATORY DISORDERS**
[54] **NOUVELLES DIHYDROPYRIDOISOQUINOLINONES ET LEURS COMPOSITIONS PHARMACEUTIQUES POUR LE TRAITEMENT DE TROUBLES INFLAMMATOIRES**
[72] MENET, CHRISTEL JEANNE MARIE, BE
[72] DOYON, JULIEN GEORGES PIERRE-OLIVIER, BE
[72] CLAES, PIETER ISABELLE ROGER, BE
[72] ALLART, BRIGITTE, BE
[72] DE WACHTER, MAXIM MARIA PAUL, BE
[72] TRICARICO, GIOVANNI ALESSANDRO, BE
[71] GALAPAGOS NV, BE
[85] 2017-10-19
[86] 2016-04-19 (PCT/EP2016/058607)
[87] (WO2016/169911)
[30] GB (1506894.3) 2015-04-23

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[21] **2,983,344**
[13] A1
[51] **Int.Cl. G21B 1/05 (2006.01) G21B 1/00 (2006.01) G21B 1/03 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REDUCING UNDESIRED EDDY CURRENTS**
[54] **SYSTEMES ET PROCEDES DE REDUCTION DE COURANTS DE FOUCAULT INDESIRABLES**
[72] RATH, NIKOLAUS, US
[71] TRI ALPHA ENERGY, INC., US
[85] 2017-10-18
[86] 2016-05-09 (PCT/US2016/031539)
[87] (WO2016/183036)
[30] US (62/160,421) 2015-05-12

[21] **2,983,348**
[13] A1
[51] **Int.Cl. C08G 18/82 (2006.01) C08J 9/28 (2006.01) C08J 9/36 (2006.01)**
[25] EN
[54] **FUNCTIONALIZED ISOCYANATE BASED POROUS MATERIALS**
[54] **MATERIAUX POREUX A BASE D'ISOCYANATE FONCTIONNALISE**
[72] JONCHERAY, THOMAS JULIEN, BE
[72] VANDENBROECK, JAN, BE
[72] GEUMEZ, GILLES JEAN, BE
[71] HUNTSMAN INTERNATIONAL LLC, US
[85] 2017-10-19
[86] 2016-04-20 (PCT/EP2016/058759)
[87] (WO2016/173903)
[30] EP (15165161.9) 2015-04-27

---

[21] **2,983,349**
[13] A1
[51] **Int.Cl. E01F 9/30 (2016.01) E01F 9/00 (2016.01) G06K 19/07 (2006.01) G06Q 10/00 (2012.01) H04B 1/59 (2006.01)**
[25] EN
[54] **COMPLIANCE METHOD AND SYSTEM FOR TRAFFIC CONTROL DEVICES**
[54] **PROCEDE ET SYSTEME DE CONFORMITE POUR DISPOSITIFS DE COMMANDE DE TRAFIC**
[72] MANGIALARDI, DOMINIC, CA
[71] STRADA SIGN SUPPLY INC., CA
[85] 2017-10-19
[86] 2016-04-22 (PCT/CA2016/000125)
[87] (WO2016/168915)
[30] US (62/151,397) 2015-04-22

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[21] **2,983,350**
[13] A1
[51] **Int.Cl. C22B 3/34 (2006.01) C22B 3/04 (2006.01) C22B 11/00 (2006.01)**
[25] EN
[54] **METHODS FOR SIMULTANEOUS LEACHING AND EXTRACTION OF PRECIOUS METALS**
[54] **PROCEDES DE LIXIVIATION ET D'EXTRACTION SIMULTANEES DE METAUX PRECIEUX**
[72] FOLEY, STEPHEN, CA
[72] SALIMI, HIWA, CA
[72] MORADI, LOGHMAN, CA
[71] UNIVERSITY OF SASKATCHEWAN, CA
[85] 2017-10-19
[86] 2016-04-21 (PCT/CA2016/050459)
[87] (WO2016/168930)
[30] US (62/150,513) 2015-04-21
[30] US (62/152,066) 2015-04-24

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[21] **2,983,351**
[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01) C07K 1/04 (2006.01) C07K 7/06 (2006.01) C40B 30/04 (2006.01)**
[25] EN
[54] **SPECIFIC PEPTIDE BINDERS TO PROTEINS IDENTIFIED VIA SYSTEMIC DISCOVERY, MATURATION AND EXTENSION PROCESS**
[54] **LIANTS PEPTIDIQUES SPECIFIQUES AUX PROTEINES IDENTIFIES PAR UN PROCESSUS SYSTEMIQUE DE DECOUVERTE, DE MATURATION ET D'EXTENSION**
[72] ALBERT, THOMAS, US
[72] LYAMICHEV, VICTOR, US
[72] PATEL, JIGAR, US
[72] SULLIVAN, ERIC, US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2017-10-19
[86] 2016-04-18 (PCT/EP2016/058562)
[87] (WO2016/169894)
[30] US (62/150,202) 2015-04-20

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[21] **2,983,353**
[13] A1
[51] **Int.Cl. C22B 3/16 (2006.01) B01D 11/00 (2006.01) C22B 3/34 (2006.01) C22B 11/00 (2006.01)**
[25] EN
[54] **METHODS FOR SELECTIVE LEACHING AND EXTRACTION OF PRECIOUS METALS IN ORGANIC SOLVENTS**
[54] **PROCEDES DE LIXIVIATION ET D'EXTRACTION SELECTIVES DE METAUX PRECIEUX DANS DES SOLVANTS ORGANIQUES**
[72] FOLEY, STEPHEN, CA
[72] MORADI, LOGHMAN, CA
[72] SALIMI, HIWA, CA
[71] UNIVERSITY OF SASKATCHEWAN, CA
[85] 2017-10-19
[86] 2016-04-21 (PCT/CA2016/050463)
[87] (WO2016/168933)
[30] US (62/150,513) 2015-04-21
[30] US (62/152,066) 2015-04-24

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[21] **2,983,354**
[13] A1
[51] **Int.Cl. H01R 13/74 (2006.01) H04Q 1/14 (2006.01) H05K 7/02 (2006.01)**
[25] EN
[54] **KEYSTONE JACK ADAPTOR**
[54] **ADAPTATEUR DE PRISE KEYSTONE**
[72] FONTAINE, MARC, CA
[72] PLAMONDON, JEAN-SEBASTIEN, CA
[71] BELDEN CANADA INC., CA
[85] 2017-10-19
[86] 2016-04-25 (PCT/CA2016/050476)
[87] (WO2016/168942)
[30] US (62/152,398) 2015-04-24

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[21] **2,983,355**
[13] A1
[51] **Int.Cl. A61N 1/05 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **PHOTOSENSITIVE PIXEL WITH SHUNT RESISTOR**
[54] **PIXEL PHOTOSENSIBLE AVEC RESISTANCE SHUNT**
[72] DETERRE, MARTIN, FR
[71] PIXIUM VISION SA, FR
[85] 2017-10-19
[86] 2016-04-28 (PCT/EP2016/000690)
[87] (WO2016/180517)
[30] EP (15001427.2) 2015-05-12

[21] **2,983,356**
[13] A1
[51] **Int.Cl. H01R 24/64 (2011.01) H01R 13/639 (2006.01) H04Q 1/16 (2006.01)**
[25] EN
[54] **NETWORK PLUG**
[54] **FICHE RESEAU**
[72] PILON, VINCENT, CA
[72] PLAMONDON, JEAN-SEBASTIEN, CA
[71] BELDEN CANADA INC., CA
[85] 2017-10-19
[86] 2016-04-28 (PCT/CA2016/050491)
[87] (WO2016/172799)
[30] US (62/154,294) 2015-04-29

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[21] **2,983,357**
[13] A1
[51] **Int.Cl. G01M 13/00 (2006.01) G01M 7/02 (2006.01) G02B 27/01 (2006.01) G02C 11/00 (2006.01)**
[25] EN
[54] **METHOD FOR DETECTING VIBRATIONS OF A DEVICE AND VIBRATION DETECTION SYSTEM**
[54] **PROCEDE DE DETECTION DE VIBRATIONS D'UN DISPOSITIF ET SYSTEME DE DETECTION DE VIBRATIONS**
[72] HOLZL, ROLAND, DE
[71] PRUFTECHNIK DIETER BUSCH AG, DE
[85] 2017-10-19
[86] 2016-04-14 (PCT/DE2016/100176)
[87] (WO2016/169554)
[30] DE (10 2015 207 134.0) 2015-04-20

---

[21] **2,983,358**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/127 (2006.01) A61K 31/7052 (2006.01) A61K 31/708 (2006.01)**
[25] EN
[54] **TARGETED LIPOSOMAL DELIVERY OF CGMP ANALOGUES**
[54] **ADMINISTRATION LIPOSOMALE CIBLEE D'ANALOGUES DE GMPC**
[72] EKSTROM, PER, SE
[72] PAQUET-DURAND, FRANCOIS, DE
[72] GAILLARD, PIETER JAAP, NL
[72] MARIGO, VALERIA, IT
[72] GENIESER, HANS-GOTTFRIED, DE
[72] RENTSCH, ANDREAS, DE
[71] MIRECA MEDICINES GMBH, DE
[85] 2017-10-19
[86] 2016-03-16 (PCT/EP2016/055659)
[87] (WO2016/146669)
[30] EP (15159285.4) 2015-03-16

---

[21] **2,983,359**
[13] A1
[51] **Int.Cl. H04S 7/00 (2006.01) H04M 3/56 (2006.01)**
[25] EN
[54] **AN AUDIO SIGNAL PROCESSING APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE TRAITEMENT DE SIGNAL AUDIO**
[72] PANG, LIYUN, DE
[72] HOFFMANN, PABLO, DE
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-10-19
[86] 2015-04-22 (PCT/EP2015/058694)
[87] (WO2016/169591)

---

[21] **2,983,360**
[13] A1
[51] **Int.Cl. A61N 1/05 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **PHOTOSENSITIVE PIXEL STRUCTURE WITH WRAPPED RESISTOR**
[54] **STRUCTURE DE PIXEL PHOTOSENSIBLE A RESISTANCE ENVELOPPEE**
[72] DETERRE, MARTIN, FR
[71] PIXIUM VISION SA, FR
[85] 2017-10-19
[86] 2016-05-12 (PCT/EP2016/000776)
[87] (WO2016/180535)
[30] EP (15001427.2) 2015-05-12
[30] EP (15001922.2) 2015-06-29

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[21] **2,983,361**
[13] A1
[51] **Int.Cl. C04B 28/04 (2006.01) C04B 14/06 (2006.01) C04B 14/10 (2006.01) C04B 18/08 (2006.01) C04B 18/10 (2006.01) C04B 18/14 (2006.01) C09K 8/473 (2006.01)**
[25] EN
[54] **LOW DENSITY CEMENTITIOUS COMPOSITIONS FOR USE AT LOW AND HIGH TEMPERATURES**
[54] **COMPOSITIONS CIMENTAIRES A FAIBLE DENSITE UTILES A BASSES ET HAUTES TEMPERATURES**
[72] VLASOPOULOS, NIKOLAOS, FR
[72] CHEN, JEFFREY, CH
[71] LAFARGE, FR
[85] 2017-10-19
[86] 2016-04-22 (PCT/EP2016/058969)
[87] (WO2016/170092)
[30] EP (15305626.2) 2015-04-23

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[21] **2,983,362**
[13] A1
[51] **Int.Cl. C07F 5/02 (2006.01) C01B 6/04 (2006.01) C07F 5/06 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING METAL ORGANYLS**
[54] **PROCEDE DE PRODUCTION DE COMPOSES ORGANOMETALLIQUES**
[72] WIETELMANN, ULRICH, DE
[72] KURTH, CHRISTOPHER, DE
[72] SCHERER, STEFAN, DE
[72] RITTMEYER, PETER, DE
[72] STOLL, ARMIN, DE
[71] ALBEMARLE GERMANY GMBH, DE
[85] 2017-10-19
[86] 2016-03-24 (PCT/EP2016/056533)
[87] (WO2016/156193)
[30] DE (10 2015 206 046.2) 2015-04-02
[30] DE (10 2015 206 897.8) 2015-04-16

[21] **2,983,363**
[13] A1
[51] **Int.Cl. H02P 3/12 (2006.01) B60L 7/02 (2006.01) H02P 3/22 (2006.01)**
[25] FR
[54] **SYSTEM AND METHOD FOR DISSIPATING ELECTRIC ENERGY REGENERATED BY ACTUATORS**
[54] **SYSTEME ET PROCEDE DE DISSIPATION DE L'ENERGIE ELECTRIQUE REGENEREE PAR DES ACTIONNEURS**
[72] CARTAILLER, LAURENT, FR
[72] MICHAUD, BENOIT, FR
[71] SAFRAN ELECTRICAL & POWER, FR
[85] 2017-10-19
[86] 2016-04-21 (PCT/FR2016/050936)
[87] (WO2016/193559)
[30] FR (1553650) 2015-04-23

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[21] **2,983,364**
[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C12N 15/11 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR THE TREATMENT OF NUCLEOTIDE REPEAT EXPANSION DISORDERS**
[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT DE TROUBLES DUS A L'EXPANSION DE REPETITION DES NUCLEOTIDES**
[72] BUJ BELLO, ANA MARIA, FR
[72] LO SCRUDATO, MIRELLA, FR
[71] GENETHON, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] UNIVERSITE D'EVRY VAL D'ESSONNE, FR
[85] 2017-10-19
[86] 2016-04-27 (PCT/EP2016/059346)
[87] (WO2016/174056)
[30] EP (15305646.0) 2015-04-27
[30] US (62/153,633) 2015-04-28

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[21] **2,983,365**
[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **USE OF SOLUBLE CD146 AS A BIOMARKER TO SELECT IN VITRO-FERTILIZED EMBRYO FOR IMPLANTATION IN A MAMMAL**
[54] **UTILISATION DE CD146 SOLUBLE EN TANT QUE BIOMARQUEUR POUR SELECTIONNER UN EMBRYON FERTILISE IN VITRO POUR IMPLANTATION DANS UN MAMMIFERE**
[72] BARDIN, NATHALIE, FR
[72] BLOT-CHABAUD, MARCEL, FR
[72] BOUVIER, SYLVIE, FR
[72] LACROIX, ODILE, FR
[72] DIGNAT-GEORGE, FRANCOISE, FR
[72] GRIS, JEAN-CHRISTOPHE RAYMOND, FR
[71] UNIVERSITE D'AIX MARSEILLE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] UNIVERSITE DE MONTPELLIER, FR
[71] CENTRE HOSPITALIER UNIVERSITAIRE DE NIMES, FR
[71] ASSISTANCE PUBLIQUE HOPITAUX DE MARSEILLE, FR
[85] 2017-10-19
[86] 2016-04-21 (PCT/EP2016/058825)
[87] (WO2016/170021)
[30] EP (15305596.7) 2015-04-21

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[21] **2,983,367**
[13] A1
[51] **Int.Cl. C08G 18/48 (2006.01) C08G 18/16 (2006.01) C08G 18/18 (2006.01) C08G 18/24 (2006.01) C08G 18/40 (2006.01) C08G 18/42 (2006.01) C08G 18/44 (2006.01) C08G 18/63 (2006.01) C08G 18/76 (2006.01)**
[25] EN
[54] **MIXTURES OF POLYETHER CARBONATE POLYOLS AND POLYETHER POLYOLS FOR PRODUCING FLEXIBLE POLYURETHANE FOAMS**
[54] **MELANGES DE POLYOLS DE CARBONATE DE POLYETHER ET POLYOLS DE POLYETHER SERVANT A PRODUIRE DES MOUSSES DE POLYURETHANE**
[72] LINDNER, STEFAN, DE
[72] HAHN, NORBERT, DE
[72] SCHULZ, ANGELIKA, DE
[71] COVESTRO DEUTSCHLAND AG, DE
[85] 2017-10-19
[86] 2016-04-28 (PCT/EP2016/059470)
[87] (WO2016/174125)
[30] EP (15165791.3) 2015-04-29

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[21] **2,983,369**
[13] A1
[51] **Int.Cl. F28G 15/00 (2006.01) B08B 15/04 (2006.01) B67C 11/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR COLLECTION AND DISPOSAL OF CLEANING WASTE-WATER AND DEBRIS FROM AIR CONDITIONERS**
[54] **APPAREIL ET METHODE DE COLLECTE ET D'ELIMINATION D'EAUX USEES DE NETTOYAGE ET DE DEBRIS DE CLIMATISEURS D'AIR**
[72] HARDY, MICHAEL, US
[72] CACKOWSKI, SCOTT C., US
[72] KANE, TIMOTHY, US
[71] CROSSFORD INTERNATIONAL, LLC, US
[85] 2017-10-16
[86] 2016-04-18 (PCT/US2016/028068)
[87] (WO2016/172028)
[30] US (14/690,414) 2015-04-18

[21] **2,983,370**
[13] A1
[51] **Int.Cl. G01R 31/08 (2006.01) H02H 3/04 (2006.01)**
[25] EN
[54] **FAULT LOCATION DETECTION AND DISTANCE PROTECTION APPARATUS AND ASSOCIATED METHOD**
[54] **APPAREIL DE DETECTION D'EMPLACEMENT DE PANNE ET DE PROTECTION DE DISTANCE, ET PROCEDE ASSOCIE**
[72] HA, HENGXU, GB
[72] SRI GOPALA KRISHNA MURTHI, SANKARA SUBRAMANIAN, GB
[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2017-10-19
[86] 2016-04-28 (PCT/EP2016/059555)
[87] (WO2016/174168)
[30] EP (15275126.9) 2015-04-30

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[21] **2,983,371**
[13] A1
[51] **Int.Cl. F28D 3/02 (2006.01) B01D 47/05 (2006.01)**
[25] EN
[54] **CONDENSER-EVAPORATOR TUBE**
[54] **TUBE CONDENSEUR-EVAPORATEUR**
[72] HANGANU, DAN ALEXANDRU, ES
[72] NOMEN CALVET, JUAN EUSEBIO, AD
[71] WGA WATER GLOBAL ACCESS, S.L., AD
[71] HANGANU, DAN ALEXANDRU, ES
[71] NOMEN CALVET, JUAN EUSEBIO, AD
[85] 2017-10-19
[86] 2015-04-23 (PCT/ES2015/070344)
[87] (WO2016/170200)

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[21] **2,983,373**
[13] A1
[51] **Int.Cl. A01N 1/02 (2006.01)**
[25] EN
[54] **IN VITRO PRESERVATION OF THERAPEUTIC CELLS**
[54] **CONSERVATION IN VITRO DE CELLULES THERAPEUTIQUES**
[72] BASTIANELLI, ENRICO, BE
[72] BRENNER, CARMEN, BE
[72] DELTOUR, ELODIE, BE
[71] BONE THERAPEUTICS S.A., BE
[85] 2017-10-19
[86] 2016-04-22 (PCT/EP2016/059005)
[87] (WO2016/170112)
[30] EP (15164903.5) 2015-04-23

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[21] **2,983,374**
[13] A1
[51] **Int.Cl. C10L 1/18 (2006.01) C10L 10/12 (2006.01)**
[25] EN
[54] **USE OF A FUEL ADDITIVE IN DIESEL FUEL FOR REDUCING FUEL CONSUMPTION IN A DIESEL ENGINE**
[54] **UTILISATION D'UN ADDITIF POUR CARBURANT DANS DU CARBURANT DIESEL POUR REDUIRE LA CONSOMMATION DE CARBURANT DANS UN MOTEUR DIESEL**
[72] VOLPERT, EDGAR, DE
[72] BATSON, WILLIAM A., US
[71] UNITED INITIATORS GMBH, DE
[85] 2017-10-19
[86] 2016-04-28 (PCT/EP2016/059564)
[87] (WO2016/174176)
[30] EP (15165433.2) 2015-04-28

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[21] **2,983,375**
[13] A1
[51] **Int.Cl. G01N 21/95 (2006.01) B65B 9/087 (2012.01) B65B 57/10 (2006.01) B65B 57/16 (2006.01) B65B 61/02 (2006.01) B65B 57/02 (2006.01) B65B 57/08 (2006.01) G01N 21/956 (2006.01)**
[25] EN
[54] **APPARATUS FOR PACKAGING INDIVIDUAL MEDICATION DOSES AND METHOD FOR ITS OPERATION**
[54] **APPAREIL D'EMBALLAGE DE DOSES INDIVIDUELLES DE MEDICAMENT ET SA METHODE D'UTILISATION**
[72] HELLENBRAND, CHRISTOPH, DE
[72] JORRITSMA, MINNE, NL
[71] BECTON DICKINSON ROWA GERMANY GMBH, DE
[85] 2017-10-17
[86] 2016-04-14 (PCT/EP2016/058163)
[87] (WO2016/166187)
[30] EP (15163950.7) 2015-04-17

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[21] **2,983,377**
[13] A1
[51] **Int.Cl. A61K 31/19 (2006.01) A61K 31/22 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **USE OF STRUCTURALLY ENHANCED FATTY ACIDS CONTAINING SULPHUR FOR PREVENTING AND/OR TREATING NON-ALCOHOLIC STEATOHEPATITIS**
[54] **UTILISATION D'ACIDES GRAS STRUCTURELLEMENT AMELIORES CONTENANT DU SOUFRE POUR PREVENIR ET/OU TRAITER LA STEATOSE HEPATIQUE NON ALCOOLIQUE**
[72] STEINEGER, HILDE, NO
[71] PRONOVA BIOPHARMA NORGE AS, NO
[85] 2017-10-19
[86] 2016-04-21 (PCT/EP2016/058909)
[87] (WO2016/173923)
[30] NO (20150514) 2015-04-28

[21] **2,983,378**
[13] A1
[51] **Int.Cl. C02F 1/60 (2006.01) C02F 1/04 (2006.01) C02F 1/42 (2006.01) C02F 1/46 (2006.01)**
[25] EN
[54] **WATER TREATMENT DEVICE AND WATER TREATMENT METHOD**
[54] **DISPOSITIF DE TRAITEMENT D'EAU ET PROCEDE DE TRAITEMENT D'EAU**
[72] UKAI, NOBUYUKI, JP
[72] OKINO, SUSUMU, JP
[72] SUZUKI, HIDEO, JP
[72] NAKASHOJI, HIROSHI, JP
[72] YOSHIOKA, SHIGERU, JP
[72] KOMATSU, TOMOMI, JP
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[85] 2017-10-19
[86] 2014-09-12 (PCT/JP2014/074321)
[87] (WO2015/181998)
[30] JP (2014-108624) 2014-05-26

[21] **2,983,379**
[13] A1
[51] **Int.Cl. B23C 5/10 (2006.01) B23G 5/18 (2006.01)**
[25] EN
[54] **INSERT-TYPE TOOL AND THREAD MILL**
[54] **OUTIL DU TYPE A INSERT ET BROYEUR FILETE**
[72] OSAWA, JIRO, JP
[72] YODA, TOMONORI, JP
[71] OSG CORPORATION, JP
[85] 2017-10-19
[86] 2015-06-15 (PCT/JP2015/067161)
[87] (WO2016/203519)

[21] **2,983,381**
[13] A1
[51] **Int.Cl. B23K 26/26 (2014.01) B23K 26/082 (2014.01) B23K 26/073 (2006.01)**
[25] EN
[54] **METHOD FOR LASER WELDING THE END FACES OF THE JOINTS OF TWO CONNECTING FLANGES HELD IN AN ADJOINING MANNER**
[54] **PROCEDE SERVANT A SOUDER AU LASER DU COTE FRONTAL DES JOINTURES DE DEUX BRIDES D'ASSEMBLAGE MAINTENUES L'UNE CONTRE L'AUTRE**
[72] STUHRMANN, JAN, DE
[71] KIRCHHOFF AUTOMOTIVE DEUTSCHLAND GMBH, DE
[85] 2017-10-18
[86] 2016-04-08 (PCT/EP2016/057760)
[87] (WO2016/169791)
[30] DE (10 2015 106 339.5) 2015-04-24

[21] **2,983,382**
[13] A1
[51] **Int.Cl. A47L 11/22 (2006.01) A47L 11/24 (2006.01) A47L 11/33 (2006.01)**
[25] EN
[54] **MANUALLY MOVABLE CLEANING APPARATUS HAVING OPPOSITELY ROTATABLE ROLLERS**
[54] **APPAREIL DE NETTOYAGE DEPLACABLE MANUELLEMENT ET EQUIPE DE ROULEAUX CONTRAROTATIFS**
[72] WEIS, NORBERT, DE
[72] BAUMGART, DANIEL, DE
[71] CARL FREUDENBERG KG, DE
[85] 2017-10-19
[86] 2016-04-21 (PCT/EP2016/058930)
[87] (WO2016/170073)
[30] DE (10 2015 005 229.2) 2015-04-24

[21] **2,983,383**
[13] A1
[51] **Int.Cl. F02C 7/36 (2006.01) F16H 57/021 (2012.01) F16H 57/023 (2012.01) B64C 27/12 (2006.01) B64D 35/00 (2006.01) F02C 7/20 (2006.01) F16C 41/00 (2006.01)**
[25] FR
[54] **TURBOSHAFT ENGINE FOR AN AIRCRAFT, COMPRISING AN AUTOMATICALLY ACTUATED CENTERING ELEMENT**
[54] **TURBOMOTEUR POUR UN AERONEF EQUIPE D'UN CENTREUR A ACTIVATION AUTOMATIQUE**
[72] LAFARGUE, OLIVIER, FR
[72] BROTIER, SEBASTIEN, FR
[71] SAFRAN HELICOPTER ENGINES, FR
[85] 2017-10-19
[86] 2016-04-26 (PCT/FR2016/050976)
[87] (WO2016/174340)
[30] FR (1553752) 2015-04-27

[21] **2,983,384**
[13] A1
[51] **Int.Cl. A47L 15/46 (2006.01) A47L 15/14 (2006.01) C11D 3/395 (2006.01) C11D 11/00 (2006.01)**
[25] EN
[54] **DOMESTIC DISHWASHER AND DISHWASHING METHOD**
[54] **LAVE-VAISSELLE DOMESTIQUE ET PROCEDE POUR LAVER LA VAISSELLE**
[72] RIGOBERT, CAROLINE, DE
[72] SEITZ, BORIS, DE
[72] MOHRHARD, KARL-HEINZ, DE
[72] DIERKES, FRANK, DE
[72] VAN LOYEN, DIETMAR, DE
[72] CAMPBELL, STUART, DE
[71] RECKITT BENCKISER (BRANDS) LIMITED, GB
[85] 2017-10-19
[86] 2016-04-29 (PCT/GB2016/051264)
[87] (WO2016/174480)
[30] GB (1507289.5) 2015-04-29

[21] **2,983,385**
[13] A1
[51] **Int.Cl. B23D 77/00 (2006.01)**
[25] EN
[54] **REAMER**
[54] **ALESOIR**
[72] OSAWA, JIRO, JP
[72] YODA, TOMONORI, JP
[71] OSG CORPORATION, JP
[85] 2017-10-19
[86] 2015-06-15 (PCT/JP2015/067163)
[87] (WO2016/203521)

---

[21] **2,983,386**
[13] A1
[51] **Int.Cl. G06Q 20/32 (2012.01) G06Q 20/34 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **VERIFICATION OF CONTACTLESS PAYMENT CARD FOR PROVISIONING OF PAYMENT CREDENTIALS TO MOBILE DEVICE**
[54] **VERIFICATION D'UNE CARTE DE PAIEMENT SANS CONTACT POUR LA FOURNITURE DE JUSTIFICATIFS D'IDENTITE DE PAIEMENT A UN DISPOSITIF MOBILE**
[72] NOE, JAMES CHRISTIAN, GB
[72] TIERNEY, JOHN, GB
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2017-10-19
[86] 2016-04-19 (PCT/US2016/028289)
[87] (WO2016/172107)
[30] US (14/691,052) 2015-04-20

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[21] **2,983,388**
[13] A1
[51] **Int.Cl. B21D 22/26 (2006.01) B21D 5/01 (2006.01)**
[25] EN
[54] **PRESSED COMPONENT MANUFACTURING METHOD, PRESSED COMPONENT, MOLD, AND PRESS APPARATUS**
[54] **PROCEDE PERMETTANT DE PRODUIRE UN PRODUIT MOULE A LA PRESSE, PRODUIT MOULE A LA PRESSE, MATRICE ET DISPOSITIF DE PRESSAGE**
[72] KUBO, MASAHIRO, JP
[72] YOSHIDA, HIROSHI, JP
[72] MIYAGI, TAKASHI, JP
[72] SUZUKI, TOSHIYA, JP
[72] NAKAZAWA, YOSHIAKI, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2017-10-19
[86] 2016-04-21 (PCT/JP2016/062681)
[87] (WO2016/171228)
[30] JP (2015-087502) 2015-04-22
[30] JP (2015-087503) 2015-04-22

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[21] **2,983,391**
[13] A1
[51] **Int.Cl. C07D 211/58 (2006.01) A61K 31/437 (2006.01) A61K 31/443 (2006.01) A61K 31/4433 (2006.01) A61K 31/4436 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61K 31/4468 (2006.01) A61K 31/451 (2006.01) A61K 31/452 (2006.01) A61K 31/4709 (2006.01) A61K 31/498 (2006.01) A61K 31/506 (2006.01) A61K 31/517 (2006.01) A61K 31/5355 (2006.01) A61K 31/661 (2006.01) A61K 33/22 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07D 215/42 (2006.01) C07D 401/06 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 409/12 (2006.01) C07D 413/06 (2006.01) C07D 417/06 (2006.01) C07D 417/12 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01) C07D 519/00 (2006.01) C07F 5/02 (2006.01) C07F 9/6509 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUND**
[54] **COMPOSE HETEROCYCLIQUE**
[72] ASANO, YASUTOMI, US
[72] KOJIMA, TAKUTO, JP
[72] KURASAWA, OSAMU, JP
[72] WONG, TZU-TSHIN, US
[72] HIRATA, YASUHIRO, JP
[72] IWAMURA, NAOKI, JP
[72] SAITO, BUNNAI, JP
[72] TANAKA, YUTA, JP
[72] ARAI, RYOSUKE, JP
[72] IMAMURA, SHINICHI, JP
[72] YONEMORI, KAZUKO, JP
[72] MIYAMOTO, YASUFUMI, JP
[72] KITAMURA, SHUJI, JP
[72] SANO, OSAMU, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2017-10-19
[86] 2016-04-19 (PCT/JP2016/062418)
[87] (WO2016/171142)
[30] JP (2015-086195) 2015-04-20

[21] **2,983,392**
[13] A1
[51] **Int.Cl. A61F 2/12 (2006.01)**
[25] EN
[54] **ABSORBABLE IMPLANTS FOR PLASTIC SURGERY**
[54] **IMPLANTS RESORBABLES DE CHIRURGIE PLASTIQUE**
[72] LIMEM, SKANDER, US
[72] STIRES, EMILY, US
[72] HOLMES, REBECCA, US
[72] RIZK, SAID, US
[72] MOSES, ARIKHA, US
[72] FELIX, FABIO, US
[72] VAN NATTA, BRUCE, US
[71] TEPHA, INC., US
[85] 2017-10-19
[86] 2016-04-19 (PCT/US2016/028264)
[87] (WO2016/172094)
[30] US (14/694,681) 2015-04-23

---

[21] **2,983,393**
[13] A1
[51] **Int.Cl. B01D 21/01 (2006.01)**
[25] EN
[54] **SEPARATION OF SUSPENSIONS OF SOLIDS EMPLOYING WATER SOLUBLE POLYMER AND A CHEMICAL AGENT**
[54] **SEPARATION DE SUSPENSIONS DE MATIERES SOLIDES A L'AIDE D'UN POLYMERE HYDROSOLUBLE ET D'UN AGENT CHIMIQUE**
[72] UTTING, LEWIS, AU
[72] ADKINS, STEPHEN JOHN, GB
[71] BASF SE, DE
[85] 2017-10-19
[86] 2016-04-27 (PCT/IB2016/052371)
[87] (WO2016/174582)
[30] EP (15166009.9) 2015-04-30

---

[21] **2,983,394**
[13] A1
[51] **Int.Cl. A61K 31/192 (2006.01)**
[25] EN
[54] **FORMULATIONS CONTAINING DIACEREIN AND METHODS OF LOWERING BLOOD LEVELS OF URIC ACID USING THE SAME**
[54] **PREPARATIONS A BASE DE DIACEREINE ET PROCEDES DE REDUCTION DES TAUX D'ACIDE URIQUE SANGUINS GRACE A L'UTILISATION DE CETTE DERNIERE**
[72] BROWN III, CARL OSCAR, US
[72] LIM, HANPIN, TW
[72] LU, WEI-SHU, TW
[72] CHUNG, TIEN-KUEN, TW
[72] CHEN, CHI-KUANG, TW
[71] TWI BIOTECHNOLOGY, INC., TW
[71] BROWN III, CARL OSCAR, US
[85] 2017-10-19
[86] 2015-04-20 (PCT/US2015/026678)
[87] (WO2016/171656)

---

[21] **2,983,396**
[13] A1
[51] **Int.Cl. A47J 36/10 (2006.01) A47J 27/08 (2006.01) A47J 45/06 (2006.01)**
[25] EN
[54] **CLIP FOR USE WITH A COOKING DEVICE**
[54] **CLIP DESTINE A ETRE UTILISE AVEC UN DISPOSITIF DE CUISSON**
[72] DESPAIN, STEVEN S., US
[71] FIREBOX OUTDOORS LLP, US
[85] 2017-10-19
[86] 2016-04-21 (PCT/US2016/028638)
[87] (WO2016/172336)
[30] US (62/150,416) 2015-04-21

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[21] **2,983,397**
[13] A1
[51] **Int.Cl. C07C 319/14 (2006.01) C07C 323/52 (2006.01)**
[25] EN
[54] **A PROCESS FOR THE PREPARATION OF METHIONINE ALPHA-HYDROXY ANALOGUES FROM SUGARS AND DERIVATIVES THEREOF**
[54] **PROCEDE DE PREPARATION D'ANALOGUES D'ALPHA-HYDROXYLATION DE L-METHIONINE A PARTIR DE SUCRES ET DE DERIVES DE CEUX-CI**
[72] SADABA ZUBIRI, IRANTZU, DK
[72] TAARNING, ESBEN, DK
[72] TZOULAKI, DESPINA, DK
[71] HALDOR TOPSOE A/S, DK
[85] 2017-10-19
[86] 2016-04-29 (PCT/EP2016/059661)
[87] (WO2016/174231)
[30] DK (PA 2015 00265) 2015-04-30

[21] **2,983,398**
[13] A1
[51] **Int.Cl. G03B 21/60 (2014.01) G02B 5/02 (2006.01)**
[25] EN
[54] **SCREEN, DISPLAY DEVICE, METHOD FOR USING SCREEN, PARTICLE, PARTICLE LAYER, PARTICLE SHEET, AND LIGHT CONTROL SHEET**
[54] **ECRAN, DISPOSITIF D'AFFICHAGE, PROCEDE D'UTILISATION D'ECRAN, COUCHE DE PARTICULES, FEUILLE DE PARTICULES, ET FEUILLE DE REGLAGE DE LUMIERE**
[72] KURASHIGE, MAKIO, JP
[72] NAKATSUGAWA, KAORI, JP
[72] ISHIDA, KAZUTOSHI, JP
[72] HONDA, HIROYUKI, JP
[72] UMEYA, MASANORI, JP
[72] KUBOTA, SHOGO, JP
[71] DAI NIPPON PRINTING CO., LTD., JP
[85] 2017-10-19
[86] 2016-04-22 (PCT/JP2016/062814)
[87] (WO2016/171266)
[30] JP (2015-087773) 2015-04-22
[30] JP (2015-087776) 2015-04-22
[30] JP (2015-093064) 2015-04-30
[30] JP (2015-101248) 2015-05-18
[30] JP (2015-101250) 2015-05-18
[30] JP (2015-111489) 2015-06-01
[30] JP (2015-111499) 2015-06-01
[30] JP (2015-222167) 2015-11-12

[21] **2,983,399**
[13] A1
[51] **Int.Cl. F02D 13/02 (2006.01) F02D 41/06 (2006.01)**
[25] EN
[54] **ENGINE CONTROL DEVICE AND ENGINE CONTROL METHOD**
[54] **DISPOSITIF DE COMMANDE DE MOTEUR ET PROCEDE DE COMMANDE DE MOTEUR**
[72] TSUYUKI, TAKESHI, JP
[72] IMAOKA, YOSHIHIRO, JP
[72] INOUE, TAKAO, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2017-10-19
[86] 2015-04-20 (PCT/JP2015/062014)
[87] (WO2016/170583)

[21] **2,983,400**
[13] A1
[51] **Int.Cl. A61K 31/497 (2006.01) A61K 9/48 (2006.01) A61K 47/04 (2006.01) A61K 47/26 (2006.01) A61K 47/36 (2006.01) A61K 47/38 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **STABILIZED PHARMACEUTICAL COMPOSITION**
[54] **COMPOSITION PHARMACEUTIQUE STABILISEE**
[72] TASAKI, HIROAKI, JP
[72] YOSHIDA, MITSURU, JP
[72] TSUNASHIMA, DAISUKE, JP
[72] AZUMA, RYOTA, JP
[71] ASTELLAS PHARMA INC., JP
[85] 2017-10-19
[86] 2016-04-26 (PCT/JP2016/063004)
[87] (WO2016/175192)
[30] JP (2015-090702) 2015-04-27
[30] JP (2015-252958) 2015-12-25

[21] **2,983,401**
[13] A1
[51] **Int.Cl. A61M 39/10 (2006.01)**
[25] EN
[54] **TAMPER-PROOF CONNECTOR/ADAPTER DEVICES AND RELATED METHODS**
[54] **DISPOSITIFS A ADAPTATEUR/CONNECTEUR INVIOLABLE ET PROCEDES ASSOCIES**
[72] LESSER, JOSEPH, US
[72] DARST RICE, MARK, US
[72] MANGAL, SAMEER, US
[71] SMITHS MEDICAL ASD, INC., US
[85] 2017-10-19
[86] 2016-04-01 (PCT/US2016/025488)
[87] (WO2016/171871)
[30] US (62/151,489) 2015-04-23

[21] **2,983,402**
[13] A1
[51] **Int.Cl. C10L 3/10 (2006.01) F17D 1/02 (2006.01)**
[25] EN
[54] **NITROGEN-CONTAINING ANTI-AGGLOMERANTS FOR PRESERVING THE FLUIDITY OF FLUIDS CONTAINING GAS HYDRATES**
[54] **ANTI-AGGLOMERANTS AZOTES SERVANT A MAINTENIR LA FLUIDITE DE FLUIDES CONTENANT DES HYDRATES DE GAZ**
[72] OSKARSSON, HANS, SE
[72] UNEBACK, INGEMAR, SE
[71] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL
[85] 2017-10-19
[86] 2016-05-09 (PCT/EP2016/060256)
[87] (WO2016/180745)
[30] EP (15167153.4) 2015-05-11

[21] **2,983,403**
[13] A1
[51] **Int.Cl. C07C 271/02 (2006.01) A61K 31/325 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **SELECTIVE ANDROGEN RECEPTOR DEGRADER (SARD) LIGANDS AND METHODS OF USE THEREOF**
[54] **LIGANDS DE SARD - COMPOSES DE DEGRADATION SELECTIFS DES RECEPTEURS AUX ANDROGENES - ET METHODES D'UTILISATION**
[72] NARAYANAN, RAMESH, US
[72] MILLER, DUANE D., US
[72] PONNUSAMY, THAMARAI, US
[72] HWANG, DONG-JIN, US
[72] HE, YALI, US
[72] PAGADALA, JAYAPRAKASH, US
[72] DUKE, CHARLES B., US
[72] COSS, CHRISTOPHER C., US
[72] DALTON, JAMES T., US
[71] GTX, INC., US
[71] UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION, US
[85] 2017-10-19
[86] 2016-04-21 (PCT/US2016/028674)
[87] (WO2016/172358)
[30] US (62/150,763) 2015-04-21
[30] US (62/220,057) 2015-09-17
[30] US (62/220,187) 2015-09-17
[30] US (62/219,859) 2015-09-17
[30] US (62/241,532) 2015-10-14

[21] **2,983,404**
[13] A1
[51] **Int.Cl. B21D 22/26 (2006.01) B21D 22/20 (2006.01) B21D 53/88 (2006.01)**
[25] EN
[54] **PRESSED COMPONENT MANUFACTURING METHOD, PRESSED COMPONENT, AND PRESS APPARATUS**
[54] **PROCEDE PERMETTANT DE PRODUIRE UN PRODUIT MOULE A LA PRESSE, PRODUIT MOULE A LA PRESSE ET DISPOSITIF DE PRESSAGE**
[72] KUBO, MASAHIRO, JP
[72] YOSHIDA, HIROSHI, JP
[72] MIYAGI, TAKASHI, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2017-10-19
[86] 2016-04-21 (PCT/JP2016/062683)
[87] (WO2016/171230)
[30] JP (2015-087506) 2015-04-22

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[21] **2,983,406**
[13] A1
[51] **Int.Cl. B29B 7/48 (2006.01) B29B 7/90 (2006.01)**
[25] EN
[54] **PROCESS FOR MANUFACTURING OF A FIBRE-REINFORCED POLYMER COMPOSITION**
[54] **PROCEDE DE FABRICATION D'UNE COMPOSITION POLYMERE RENFORCEE PAR DES FIBRES**
[72] HOCHRADL, STEFAN, AT
[72] STOCKREITER, WOLFGANG, AT
[72] WURM, KARL, AT
[72] GUBO, ROBERT, AT
[71] BOREALIS AG, AT
[85] 2017-10-19
[86] 2016-05-20 (PCT/EP2016/061374)
[87] (WO2016/188883)
[30] EP (15168960.1) 2015-05-22

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[21] **2,983,407**
[13] A1
[51] **Int.Cl. F16H 25/12 (2006.01) B64C 13/28 (2006.01) B64C 13/50 (2006.01) F16H 25/20 (2006.01)**
[25] EN
[54] **FAIL-SAFE ELECTROMECHANICAL ACTUATOR**
[54] **ACTIONNEUR ELECTROMECANIQUE A SECURITE INTEGREE**
[72] LARSON LOWELL, VAN LUND, US
[72] MOORE, CHRISTOPHER A., US
[71] MOOG INC., US
[85] 2017-10-19
[86] 2016-04-18 (PCT/US2016/028071)
[87] (WO2016/172029)
[30] US (14/695,321) 2015-04-24

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[21] **2,983,408**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2006.01) C12N 1/20 (2006.01) C12Q 1/66 (2006.01)**
[25] EN
[54] **MECHANISMS OF ANTIMICROBIAL SUSCEPTIBILITY**
[54] **MECANISMES DE SENSIBILITE ANTIMICROBIENNE**
[72] BODNER, MICAH, US
[72] MARSDEN, JEREMIAH, US
[72] REY, DIEGO ARIEL, US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2017-10-19
[86] 2016-05-24 (PCT/EP2016/061691)
[87] (WO2016/188998)
[30] US (62/166,964) 2015-05-27

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[21] **2,983,409**
[13] A1
[51] **Int.Cl. B60S 3/06 (2006.01)**
[25] EN
[54] **A WRAP-AROUND VEHICLE WASH COMPONENT**
[54] **COMPOSANT ENVELOPPANT DE LAVAGE DE VEHICULES**
[72] BELANGER, MICHAEL J., US
[72] TOGNETTI, DAVID L., US
[71] WASHME PROPERTIES, LLC, US
[85] 2017-10-19
[86] 2016-04-22 (PCT/US2016/028725)
[87] (WO2016/172397)
[30] US (62/151,256) 2015-04-22
[30] US (15/135,350) 2016-04-21

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[21] **2,983,410**
[13] A1
[51] **Int.Cl. G06F 9/445 (2006.01) G06Q 10/08 (2012.01) G07F 5/18 (2006.01) G07F 9/02 (2006.01)**
[25] EN
[54] **INVENTORY INFORMATION DISTRIBUTION SYSTEMS, DEVICES AND METHODS**
[54] **PROCEDES, DISPOSITIFS ET SYSTEMES DE DISTRIBUTION D'INFORMATIONS D'INVENTAIRE**
[72] UNDERNEHR, CHRISTOPHER L., US
[72] AGRAWAL, TUSHAR, US
[72] RAMNATHKAR, SANDESH N., US
[72] TURKNETT, JOHN, US
[72] VONGA, MOHANDAS N., US
[72] WOITASZEK, MATTHEW S., US
[71] WAL-MART STORES, INC., US
[85] 2017-10-19
[86] 2016-04-18 (PCT/US2016/028067)
[87] (WO2016/172027)
[30] US (62/150,755) 2015-04-21

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[21] **2,983,411**
[13] A1
[51] **Int.Cl. A61K 31/282 (2006.01) A61P 13/08 (2006.01) A61P 19/02 (2006.01) C07F 15/00 (2006.01)**
[25] EN
[54] **CO-CRYSTAL COMPOSITION AND ITS PHARMACEUTICAL USE**
[54] **COMPOSITION DE CO-CRISTAUX ET SON UTILISATION PHARMACEUTIQUE**
[72] LIU, XIAOZHONG, US
[71] SYN-NAT PRODUCTS ENTERPRISE LLC, US
[85] 2017-10-19
[86] 2016-04-21 (PCT/US2016/028720)
[87] (WO2016/172393)
[30] US (62/151,113) 2015-04-22

[21] **2,983,412**
[13] A1
[51] **Int.Cl. G06F 17/00 (2006.01) G06F 21/60 (2013.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DYNAMIC DE-IDENTIFICATION OF DATA SETS**
[54] **PROCEDE ET SYSTEME DESTINES A LA DESENTIFICATION DYNAMIQUE D'ENSEMBLES DE DONNEES**
[72] LOWENBERG, TODD, US
[72] VILLARS, CURTIS, US
[72] REISKIND, ANDREW, US
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2017-10-19
[86] 2016-04-20 (PCT/US2016/028328)
[87] (WO2016/172130)
[30] US (14/694,262) 2015-04-23

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[21] **2,983,413**
[13] A1
[51] **Int.Cl. A61N 5/10 (2006.01) G21G 1/10 (2006.01) G21G 4/02 (2006.01) H05H 6/00 (2006.01)**
[25] EN
[54] **NEUTRON TARGET FOR BORON NEUTRON CAPTURE THERAPY**
[54] **CIBLE NEUTRON POUR THERAPIE DE CAPTURE DE NEUTRONS PAR LE BORE**
[72] PARK, WILLIAM H., US
[72] KONISH, STEVEN P., US
[72] SMICK, THEODERE H., US
[72] SAKASE, TAKAO, US
[71] NEUTRON THERAPEUTICS INC., US
[85] 2017-10-19
[86] 2016-05-05 (PCT/US2016/030963)
[87] (WO2016/179381)
[30] US (62/157,652) 2015-05-06

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[21] **2,983,414**
[13] A1
[51] **Int.Cl. H04L 12/24 (2006.01) C07D 207/09 (2006.01) C07D 403/12 (2006.01) H04L 12/26 (2006.01)**
[25] EN
[54] **NOVEL COMPOUNDS**
[54] **NOUVEAUX COMPOSES**
[72] CASILLAS, LINDA N., US
[72] HARLING, JOHN DAVID, GB
[72] MIAH, AFJAL HUSSAIN, GB
[72] RACKHAM, MARK DAVID, GB
[72] SMITH, IAN EDWARD DAVID, GB
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[85] 2017-10-19
[86] 2016-04-20 (PCT/US2016/028332)
[87] (WO2016/172134)
[30] GB (1506872.9) 2015-04-22

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[21] **2,983,416**
[13] A1
[51] **Int.Cl. F16G 13/12 (2006.01) B60P 7/08 (2006.01) B66C 1/12 (2006.01) B66C 1/18 (2006.01) D03D 3/00 (2006.01)**
[25] EN
[54] **HYBRID CHAIN LINK**
[54] **MAILLON DE CHAINE HYBRIDE**
[72] BOSMAN, RIGOBERT, NL
[72] WIENKE, DIETRICH, NL
[72] MARISSEN, ROELOF, NL
[72] HOMMINGA, JOZEF SIEGFRIED JOHANNES, NL
[71] DSM IP ASSETS B.V., NL
[85] 2017-10-19
[86] 2016-05-27 (PCT/EP2016/061972)
[87] (WO2016/189116)
[30] EP (EP15169661.4) 2015-05-28

---

[21] **2,983,417**
[13] A1
[51] **Int.Cl. G06F 3/0487 (2013.01)**
[25] EN
[54] **PRESSURE SENSITIVE PERIPHERAL DEVICES, AND ASSOCIATED METHODS OF USE**
[54] **DISPOSITIFS PERIPHERIQUES SENSIBLES A LA PRESSION, ET PROCEDES ASSOCIES D'UTILISATION**
[72] YANEV, KOSTADIN DIMITROV, US
[72] YANEV, IVO KOSTADINOV, BG
[72] KALAYDJIYSKI, LUDMIL BORISSOV, GB
[71] ACTIVBODY, INC., US
[85] 2017-10-19
[86] 2015-04-21 (PCT/US2015/026877)
[87] (WO2015/164375)
[30] US (14/257,868) 2014-04-21

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[21] **2,983,418**
[13] A1
[51] **Int.Cl. B60R 25/102 (2013.01) G01S 19/01 (2010.01) G06Q 10/08 (2012.01) B60P 1/64 (2006.01) G06F 19/00 (2011.01)**
[25] EN
[54] **INTERMODAL ASSET IDENTIFICATION AND ASSOCIATION SYSTEM**
[54] **SYSTEME INTERMODAL D'IDENTIFICATION ET D'ASSOCIATION DE MATERIELS**
[72] MANSURI, PARVEZ, US
[72] HECK, MARK, US
[72] MAGUIRE, SEAN, AU
[71] REFRIDGERATED TRANSPORT TECHNOLOGIES LLC, US
[71] ADVENT INTERMODAL SOLUTIONS, US
[85] 2017-10-19
[86] 2016-04-20 (PCT/US2016/028471)
[87] (WO2016/172232)
[30] US (62/149,832) 2015-04-20

[21] **2,983,419**
[13] A1
[51] **Int.Cl. C12N 15/52 (2006.01) C12N 15/79 (2006.01) C12N 15/81 (2006.01) C12P 13/22 (2006.01) C12P 17/12 (2006.01)**
[25] EN
[54] **BENZYLISOQUINOLINE ALKALOID (BIA) PRECURSOR PRODUCING MICROBES, AND METHODS OF MAKING AND USING THE SAME**
[54] **PRECUSEUR D'ALCALOIDE DE BENZYLISOQUINOLINE (BIA) PRODUISANT DES MICROBES, ET SES PROCEDES DE FABRICATION ET D'UTILISATION**
[72] SMOLKE, CHRISTINA D., US
[72] THODEY, CATHERINE, US
[72] TRENCHARD, ISIS, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2017-10-19
[86] 2016-05-04 (PCT/US2016/030808)
[87] (WO2016/179296)
[30] US (62/156,701) 2015-05-04

[21] **2,983,420**
[13] A1
[51] **Int.Cl. G06Q 50/22 (2012.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR INCREASING WORK FLOW IN A PHARMACY**
[54] **PROCEDE ET APPAREIL POUR AUGMENTER UN FLUX DE TRAVAIL AU SEIN D'UNE PHARMACIE**
[72] GROVE, DONALD W., US
[71] GROVE, DONALD W., US
[85] 2017-10-19
[86] 2015-04-22 (PCT/US2015/027167)
[87] (WO2015/164545)
[30] US (14/259,151) 2014-04-22

[21] **2,983,421**
[13] A1
[51] **Int.Cl. C12P 1/02 (2006.01) A23L 27/10 (2016.01) A23L 27/20 (2016.01) A23L 27/22 (2016.01) A23L 31/15 (2016.01) A23L 33/10 (2016.01) C12P 7/46 (2006.01) C12P 7/54 (2006.01) C12P 7/56 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING YEAST EXTRACT, YEAST EXTRACT OBTAINED THEREBY, SEASONING COMPOSITION, AND FOOD**
[54] **PROCEDE DE PRODUCTION D'UN EXTRAIT DE LEVURE, EXTRAIT DE LEVURE AINSI OBTENU, COMPOSITION D'ASSAISONNEMENT ET ALIMENT**
[72] KONDO, ATSUSHI, JP
[72] TANIZAWA, JUNKO, JP
[71] TABLEMARK CO., LTD., JP
[85] 2017-10-19
[86] 2016-04-27 (PCT/JP2016/063165)
[87] (WO2016/175235)
[30] JP (2015-091617) 2015-04-28

[21] **2,983,422**
[13] A1
[51] **Int.Cl. F21S 10/02 (2006.01) F21K 9/60 (2016.01) A61N 5/06 (2006.01) F21V 23/04 (2006.01) H05B 37/02 (2006.01) F21V 9/10 (2006.01)**
[25] EN
[54] **MULTI-CHANNEL LAMP SYSTEM AND METHOD WITH MIXED SPECTRUM**
[54] **SYSTEME DE LAMPE MULTI-CANAL ET PROCEDE A SPECTRE MIXTE**
[72] VICK, KEVIN JAMES, US
[72] ALLEN, GARY ROBERT, US
[72] BOYLE, THOMAS JOHN, US
[72] CHOWDHURY, ASHFAQUL ISLAM, US
[72] DUDIK, DAVID C., US
[71] GE LIGHTING SOLUTIONS, LLC, US
[85] 2017-10-19
[86] 2016-04-11 (PCT/US2016/026871)
[87] (WO2016/171932)
[30] US (62/150,800) 2015-04-21
[30] US (14/757,957) 2015-12-24

[21] **2,983,423**
[13] A1
[51] **Int.Cl. C08F 2/01 (2006.01) B01J 8/08 (2006.01) B01J 8/18 (2006.01) B01J 8/24 (2006.01) C08F 2/34 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR POLYMERISING OLEFINS IN GAS PHASE**
[54] **PROCEDE ET APPAREIL POUR LA POLYMERISATION D'OLEFINES EN PHASE GAZEUSE**
[72] KANELLOPOULOS, VASILEIOS, AT
[72] NYFORS, KLAUS, FI
[72] AGUAYO ARELLANO, PABLO IVAN, AT
[72] WEICKERT, GUNTER, DE
[72] PRINSEN, ERIC-JAN, NL
[71] BOREALIS AG, AT
[85] 2017-10-19
[86] 2016-06-10 (PCT/EP2016/063342)
[87] (WO2016/198631)
[30] EP (15171820.2) 2015-06-12

[21] **2,983,424**
[13] A1
[51] **Int.Cl. G01F 15/18 (2006.01) G01F 17/00 (2006.01) G01F 23/00 (2006.01) G01F 23/22 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MEASURING PRODUCT QUANTITY IN A CONTAINER**
[54] **SYSTEME ET PROCEDE PERMETTANT DE MESURER UNE QUANTITE DE PRODUIT DANS UN RECIPIENT**
[72] LOFTIN, CALEB S., US
[71] WESTROCK MWV, LLC, US
[85] 2017-10-19
[86] 2015-06-19 (PCT/US2015/036543)
[87] (WO2016/178700)
[30] US (62/155,498) 2015-05-01

[21] **2,983,426**
[13] A1
[51] **Int.Cl. A61K 31/277 (2006.01) A61P 35/00 (2006.01) C07C 13/47 (2006.01)**
[25] EN
[54] **SELECTIVE ANDROGEN RECEPTOR DEGRADER (SARD) LIGANDS AND METHODS OF USE THEREOF**
[54] **LIGANDS DE COMPOSES DEGRADANT DES RECEPTEURS D'ANDROGENES SELECTIFS (SARD) ET LEURS METHODES D'UTILISATION**
[72] NARAYANAN, RAMESH, US
[72] MILLER, DUANE D., US
[72] PONNUSAMY, THAMARAI, US
[72] HWANG, DONG-JIN, US
[72] DUKE, CHARLES B., US
[72] COSS, CHRISTOPHER C., US
[72] JONES, AMANDA, US
[72] DALTON, JAMES T., US
[71] GTX, INC., US
[71] UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION, US
[85] 2017-10-19
[86] 2016-04-21 (PCT/US2016/028623)
[87] (WO2016/172330)
[30] US (62/150,768) 2015-04-21
[30] US (62/220,094) 2015-09-17

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[21] **2,983,428**
[13] A1
[51] **Int.Cl. C12N 15/09 (2006.01)**
[25] EN
[54] **KIT FOR TOGETHER DETECTING MULTIPLE TARGET NUCLEIC ACIDS DIFFERING FROM EACH OTHER AND DETECTION METHOD USING THE SAME**
[54] **TROUSSE PERMETTANT DE DETECTER ENSEMBLE DES ACIDES NUCLEIQUES CIBLES MULTIPLES SE DIFFERENCIANT LES UNES DES AUTRES ET METHODE DE DETECTION EMPLOYANT LADITE TROUSSE**
[72] NAGANO, TAKASHI, JP
[72] MIYAJIMA, KENSUKE, JP
[72] NARAHARA, KENJI, JP
[71] MIZUHO MEDY CO., LTD., JP
[85] 2017-10-19
[86] 2016-05-10 (PCT/JP2016/063831)
[87] (WO2016/194552)
[30] JP (2015-113979) 2015-06-04

---

[21] **2,983,429**
[13] A1
[51] **Int.Cl. G06F 11/30 (2006.01)**
[25] EN
[54] **NETWORK SECURITY ANALYSIS FOR SMART APPLIANCES**
[54] **ANALYSE DE SECURITE DE RESEAU POUR APPAREILS INTELLIGENTS**
[72] VON GRAVROCK, EINARAS, US
[72] FRAYMAN, YURI, US
[72] BEATTY, ROBERT, US
[71] CUJO LLC, US
[85] 2017-10-19
[86] 2016-04-18 (PCT/US2016/028150)
[87] (WO2016/172055)
[30] US (62/150,684) 2015-04-21
[30] US (14/948,160) 2015-11-20
[30] US (15/099,526) 2016-04-14

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[21] **2,983,430**
[13] A1
[51] **Int.Cl. B60S 3/04 (2006.01)**
[25] EN
[54] **FLUID DELIVERY SYSTEM FOR A VEHICLE WASH SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE FLUIDE POUR UN SYSTEME DE LAVAGE DE VEHICULES**
[72] BELANGER, MICHAEL J., US
[72] PRATER, CURTIS S., US
[72] TURNER, BARRY S., US
[71] WASHME PROPERTIES, LLC, US
[85] 2017-10-19
[86] 2016-04-21 (PCT/US2016/028672)
[87] (WO2016/172356)
[30] US (62/150,373) 2015-04-21
[30] US (15/135,220) 2016-04-21

---

[21] **2,983,431**
[13] A1
[51] **Int.Cl. B23Q 3/12 (2006.01) B23B 31/117 (2006.01)**
[25] EN
[54] **CLAMP DEVICE**
[54] **DISPOSITIF DE SERRAGE**
[72] KITAMURA, AKIHIRO, JP
[72] YAMADA, SHIGERU, JP
[71] KITAMURA MACHINERY CO., LTD., JP
[85] 2017-10-19
[86] 2017-02-16 (PCT/JP2017/005711)
[87] (WO2017/142018)
[30] JP (2016-028795) 2016-02-18

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[21] **2,983,432**
[13] A1
[51] **Int.Cl. B09C 1/00 (2006.01) B82Y 30/00 (2011.01) C09K 3/32 (2006.01) C09K 17/00 (2006.01)**
[25] EN
[54] **PRODUCT FOR CLEANING SOIL OR HARD SURFACES AND ITS APPLICATION METHOD (VERSIONS)**
[54] **PRODUIT DE NETTOYAGE DE SOL ET DE SURFACES DURES ET SA METHODE D'APPLICATION (VERSIONS)**
[72] ELAGIN, ANDREY ALEKSANDROVICH, RU
[72] MIRONOV, MAKSIM ANATOLIEVICH, RU
[72] SHULEPOV, ILYA DMITRIEVICH, RU
[71] OBSCHESTVO S OGRANICHENNOJ OTVETSTVENNOSTYU "NPO BIOMIKROGELI", RU
[85] 2017-10-19
[86] 2015-12-08 (PCT/RU2015/000855)
[87] (WO2016/178597)
[30] RU (2015117416) 2015-05-07

---

[21] **2,983,433**
[13] A1
[51] **Int.Cl. B29C 55/04 (2006.01) B32B 3/02 (2006.01)**
[25] EN
[54] **MANUFACTURING PROCESS FOR ELASTOMERIC LAMINATE**
[54] **PROCEDE DE FABRICATION D'UN STRATIFIE ELASTOMERE**
[72] DOYLE, JEREMY A., US
[72] KELLEY, RICHARD EUGENE, JR., US
[72] CAPPELLINI, PIERLUIGI, US
[71] FIRST QUALITY BABY PRODUCTS, LLC, US
[85] 2017-10-19
[86] 2016-04-21 (PCT/US2016/028673)
[87] (WO2016/172357)
[30] US (62/150,505) 2015-04-21

[21] **2,983,434**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) C12N 5/0783 (2010.01)**
[25] EN
[54] **NKT-CELL SUBSET FOR IN VIVO PERSISTENCE AND THERAPEUTIC ACTIVITY AND PROPAGATION OF SAME**
[54] **SOUS-ENSEMBLE DE CELLULES NKT POUR LA PERSISTANCE ET L'ACTIVITE THERAPEUTIQUE IN VIVO ET PROPAGATION DE CELUI-CI**
[72] METELITSA, LEONID S., US
[72] COURTNEY, AMY N., US
[72] TIAN, GENGWEN, US
[71] BAYLOR COLLEGE OF MEDICINE, US
[85] 2017-10-19
[86] 2016-04-21 (PCT/US2016/028693)
[87] (WO2016/172372)
[30] US (62/151,690) 2015-04-23
[30] US (62/309,525) 2016-03-17

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[21] **2,983,438**
[13] A1
[51] **Int.Cl. A61C 8/00 (2006.01)**
[25] EN
[54] **PLACEMENT DEVICE FOR A DENTAL COMPONENT**
[54] **DISPOSITIF DE PLACEMENT POUR UN COMPOSANT DENTAIRE**
[72] WEITZEL, JORG, DE
[72] CARRETTA, ROBERTO, CH
[71] NOBEL BIOCARE SERVICES AG, CH
[85] 2017-10-19
[86] 2016-06-16 (PCT/EP2016/063831)
[87] (WO2016/202900)
[30] EP (15172906.8) 2015-06-19

---

[21] **2,983,439**
[13] A1
[51] **Int.Cl. G06Q 40/04 (2012.01) G06Q 40/06 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CALCULATING AND PROVIDING INITIAL MARGIN UNDER THE STANDARD INITIAL MARGIN MODEL**
[54] **PROCEDE ET SYSTEME DE CALCUL ET DE COMMUNICATION D'UN DEPOT DE GARANTIE SOUS LE MODELE STANDARD DE DEPOT DE GARANTIE**
[72] KODAMA, TOMO, US
[72] STEELE, NICHOLAS, US
[72] SMITH, ALISTAIR, GB
[72] DIPLAS, ATHANASSIOS, US
[72] FRANKEL, OLIVER, US
[72] KRABBENHOEFT, KEVIN, US
[72] LIU, ROBERT, US
[72] THAMAN, HITANSHI, US
[71] INTERNATIONAL SWAPS AND DERIVATIVES ASSOCIATION, INC., US
[85] 2017-10-19
[86] 2016-04-29 (PCT/US2016/030246)
[87] (WO2016/176637)
[30] US (62/154,261) 2015-04-29
[30] US (62/243,973) 2015-10-20

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[21] **2,983,440**
[13] A1
[51] **Int.Cl. C07K 14/00 (2006.01) A61K 38/17 (2006.01) C07K 14/47 (2006.01) C07K 14/495 (2006.01) C07K 14/51 (2006.01)**
[25] EN
[54] **NOVEL HYBRID ACTRIIB LIGAND TRAP PROTEINS FOR TREATING MUSCLE WASTING DISEASES**
[54] **NOUVELLES PROTEINES HYBRIDES PIEGEANT LE LIGAND ACTRIIB POUR LE TRAITEMENT DE MALADIES AMYOTROPHIQUES**
[72] HAN, HQ, US
[72] ZHOU, XIAOLAN, US
[71] ALIVEGEN USA INC., US
[85] 2017-10-19
[86] 2016-04-12 (PCT/US2016/027046)
[87] (WO2016/171948)
[30] US (62/150,994) 2015-04-22
[30] US (62/262,356) 2015-12-02

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[21] **2,983,441**
[13] A1
[51] **Int.Cl. H02P 6/08 (2016.01) H02P 27/08 (2006.01)**
[25] EN
[54] **CONTROL APPARATUS AND CONTROL METHOD**
[54] **REGULATEUR ET PROCEDE DE REGULATION**
[72] SHOUJI, MITSUHIRO, JP
[72] KAWAMURA, HIROMICHI, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2017-10-19
[86] 2015-04-20 (PCT/JP2015/062017)
[87] (WO2016/170585)

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[21] **2,983,442**
[13] A1
[51] **Int.Cl. A61C 8/00 (2006.01) A61C 13/225 (2006.01)**
[25] EN
[54] **DENTAL CONNECTION ASSEMBLY AND METHOD FOR PRODUCING A DENTAL PROSTHESIS**
[54] **ENSEMBLE DE LIAISON DENTAIRE ET PROCEDE DE PRODUCTION DE PROTHESE DENTAIRE**
[72] KAUP, THOMAS, CH
[72] WEITZEL, JORG, DE
[72] CARRETTA, ROBERTO, CH
[72] CHRISTIANSEN, PIERS, CH
[72] TSCHOPP, RAQUEL, CH
[71] NOBEL BIOCARE SERVICES AG, CH
[85] 2017-10-19
[86] 2016-06-17 (PCT/EP2016/064102)
[87] (WO2016/203030)
[30] EP (15172921.7) 2015-06-19
[30] EP (16166121.0) 2016-04-20

[21] **2,983,443**
[13] A1
[51] **Int.Cl. D21C 3/20 (2006.01) D21C 9/18 (2006.01) D21D 1/20 (2006.01) D21H 11/18 (2006.01)**
[25] EN
[54] **METHODS FOR THE PRODUCTION OF HIGH SOLIDS NANOCELLULOSE**
[54] **PROCEDES POUR LA PRODUCTION DE NANOCELLULOSE A TENEUR ELEVEE EN SOLIDES**
[72] BILODEAU, MICHAEL, US
[72] SPENDER, JONATHAN, US
[72] VAN HEININGEN, ADRIAAN, US
[71] UNIVERSITY OF MAINE SYSTEM BOARD OF TRUSTEES, US
[85] 2017-10-19
[86] 2016-04-22 (PCT/US2016/029027)
[87] (WO2016/172616)
[30] US (62/151,795) 2015-04-23

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[21] **2,983,444**
[13] A1
[51] **Int.Cl. A61B 8/00 (2006.01) A61B 8/08 (2006.01)**
[25] EN
[54] **AUTONOMOUS ULTRASOUND PROBE AND RELATED APPARATUS AND METHODS**
[54] **SONDE A ULTRASONS AUTONOME ET APPAREIL ET PROCEDES ASSOCIES**
[72] RALSTON, TYLER S., US
[72] SANCHEZ, NEVADA J., US
[71] BUTTERFLY NETWORK, INC., US
[85] 2017-10-19
[86] 2016-05-13 (PCT/US2016/032261)
[87] (WO2016/186981)
[30] US (14/714,150) 2015-05-15

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[21] **2,983,445**
[13] A1
[51] **Int.Cl. C12N 1/19 (2006.01) C12N 15/52 (2006.01) C12N 15/53 (2006.01)**
[25] EN
[54] **METHODS OF PRODUCING EPIMERASES AND BENZYLISOQUINOLINE ALKALOIDS**
[54] **PROCEDES DE PRODUCTION D'EPIMERASES ET D'ALCALOIDES BENZYLISOQUINOLEINE**
[72] SMOLKE, CHRISTINA D., US
[72] GALANIE, STEPHANIE, US
[72] TRENCHARD, ISIS, US
[72] THODEY, CATHERINE, US
[72] LI, YANRAN, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNOR UNIVERSITY, US
[85] 2017-10-19
[86] 2016-05-09 (PCT/US2016/031506)
[87] (WO2016/183023)
[30] US (62/159,122) 2015-05-08
[30] US (62/174,475) 2015-06-11

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[21] **2,983,446**
[13] A1
[51] **Int.Cl. A61K 31/47 (2006.01) C07D 217/24 (2006.01)**
[25] EN
[54] **BROMODOMAIN INHIBITOR**
[54] **INHIBITEUR DE BROMODOMAINES**
[72] BETANCORT, JUAN MANUEL, US
[72] STAFFORD, JEFFREY ALAN, US
[72] STANSFIELD, RYAN, US
[72] VEAL, JAMES MARVIN, US
[71] CELGENE QUANTICEL RESEARCH, INC., US
[85] 2017-10-19
[86] 2016-04-22 (PCT/US2016/029029)
[87] (WO2016/172618)
[30] US (62/151,205) 2015-04-22

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[21] **2,983,448**
[13] A1
[51] **Int.Cl. A61B 5/055 (2006.01) G01R 33/20 (2006.01) G01R 33/32 (2006.01) G01R 33/34 (2006.01)**
[25] EN
[54] **RADIO FREQUENCY COIL METHODS AND APPARATUS**
[54] **PROCEDES ET APPAREIL POUR BOBINE A RADIOFREQUENCES**
[72] POOLE, MICHAEL STEPHEN, US
[72] CHARVAT, GREGORY L., US
[72] REARICK, TODD, US
[72] ROTHBERG, JONATHAN M., US
[71] HYPERFINE RESEARCH, INC., US
[85] 2017-10-19
[86] 2016-05-12 (PCT/US2016/032014)
[87] (WO2016/183284)
[30] US (62/160,036) 2015-05-12
[30] US (62/169,102) 2015-06-01

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[21] **2,983,449**
[13] A1
[51] **Int.Cl. C07F 7/00 (2006.01)**
[25] EN
[54] **NITROGEN TITANIUM COMPLEX, CATALYTIC SYSTEM COMPRISING SAID NITROGEN TITANIUM COMPLEX AND PROCESS FOR THE (CO)POLYMERIZATION OF CONJUGATED DIENES**
[54] **COMPLEXE D'AZOTE TITANE, SYSTEME CATALYTIQUE COMPRENANT LEDIT COMPLEXE D'AZOTE TITANE ET PROCEDE DE (CO)POLYMERISATION DE DIENES CONJUGUES**
[72] SOMMAZZI, ANNA, IT
[72] PAMPALONI, GUIDO, IT
[72] RICCI, GIOVANNI, IT
[72] MASI, FRANCESCO, IT
[72] LEONE, GIUSEPPE, IT
[71] VERSALIS S.P.A., IT
[85] 2017-10-19
[86] 2016-07-28 (PCT/EP2016/068034)
[87] (WO2017/017203)
[30] IT (102015000039920) 2015-07-29

[21] **2,983,450**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **BEACON BASED CAMPAIGN MANAGEMENT**
[54] **GESTION DE CAMPAGNE BASEE SUR UNE BALISE**
[72] MURTHY, GANAPA SANSHIDHARA, US
[71] KELLOGG COMPANY, US
[85] 2017-10-19
[86] 2016-04-25 (PCT/US2016/029115)
[87] (WO2016/176133)
[30] US (14/700,989) 2015-04-30

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[21] **2,983,451**
[13] A1
[51] **Int.Cl. F03B 13/26 (2006.01) B63B 35/00 (2006.01) F03B 17/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TIDAL ENERGY CONVERSION AND ELECTRICAL POWER GENERATION**
[54] **SYSTEMES ET PROCEDES POUR CONVERSION D'ENERGIE MAREMOTRICE ET PRODUCTION D'ENERGIE ELECTRIQUE**
[72] BLODGETT, LYNN, US
[72] BAGLEY, COLIN, US
[71] BIG MOON POWER, INC., US
[85] 2017-10-19
[86] 2016-04-29 (PCT/US2016/030294)
[87] (WO2016/179048)
[30] US (62/155,538) 2015-05-01
[30] US (62/261,565) 2015-12-01
[30] US (62/272,759) 2015-12-30
[30] US (62/322,501) 2016-04-14

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[21] **2,983,452**
[13] A1
[51] **Int.Cl. B65B 9/04 (2006.01) B65B 47/08 (2006.01)**
[25] EN
[54] **PROCESS OF MAKING A WATER SOLUBLE POUCH**
[54] **PROCEDE DE FABRICATION D'UNE POCHE SOLUBLE DANS L'EAU**
[72] BRANDT SANZ, MIGUEL, BE
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2017-10-19
[86] 2016-05-18 (PCT/US2016/032956)
[87] (WO2016/191158)
[30] US (14/719,853) 2015-05-22

---

[21] **2,983,454**
[13] A1
[51] **Int.Cl. C12M 1/00 (2006.01) C12M 1/02 (2006.01) C12M 1/04 (2006.01) C12M 1/12 (2006.01) C12M 1/36 (2006.01) C12M 1/38 (2006.01)**
[25] EN
[54] **AN APPARATUS FOR PROVIDING LARGE AMOUNTS OF GAS TO A FERMENTATION BROTH**
[54] **APPAREIL DESTINE A FOURNIR DE GRANDES QUANTITES DE GAZ A UN BOUILLON DE FERMENTATION**
[72] MEDOFF, MARSHALL, US
[72] MASTERMAN, THOMAS CRAIG, US
[72] PARADIS, ROBERT, US
[72] YOSHIDA, AIICHIRO, US
[72] HEINZE, KAREN, US
[71] XYLECO, INC., US
[85] 2017-10-19
[86] 2016-07-06 (PCT/US2016/041038)
[87] (WO2017/007788)
[30] US (62/189,316) 2015-07-07

---

[21] **2,983,456**
[13] A1
[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/17 (2015.01) A61K 39/385 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **DISEASE THERAPY WITH CHIMERIC ANTIGEN RECEPTOR (CAR) CONSTRUCTS AND T CELLS (CAR-T) OR NK CELLS (CAR-NK) EXPRESSING CAR CONSTRUCTS**
[54] **TRAITEMENT DE MALADIES AVEC DES CONSTRUCTIONS DE RECEPTEUR D'ANTIGENE CHIMERIQUE (CAR) ET LYMPHOCYTES T (CAR-T) OU CELLULES NK (CAR-NK) EXPRIMANT DES CONSTRUCTIONS CAR**
[72] CHANG, CHIEN-HSING, US
[72] LIU, DONGLIN, US
[72] GOLDENBERG, DAVID M., US
[71] IMMUNOMEDICS, INC., US
[85] 2017-10-19
[86] 2016-06-10 (PCT/US2016/036987)
[87] (WO2016/201300)
[30] US (62/174,894) 2015-06-12
[30] US (62/193,853) 2015-07-17

---

[21] **2,983,457**
[13] A1
[51] **Int.Cl. B65D 83/20 (2006.01) B65D 83/22 (2006.01)**
[25] FR
[54] **DISPENSING HEAD FOR AEROSOL CONTAINER PROVIDED WITH BLOCKING MEANS**
[54] **TETE DE DISTRIBUTION POUR RECIPIENT AEROSOL MUNIE DE MOYENS DE BLOCAGE**
[72] BODET, HERVE, FR
[72] PELTIER, JEROME, FR
[71] LINDAL FRANCE SAS, FR
[85] 2017-10-19
[86] 2016-04-22 (PCT/EP2016/059100)
[87] (WO2016/170169)
[30] FR (1553681) 2015-04-24

---

[21] **2,983,458**
[13] A1
[51] **Int.Cl. G06F 11/00 (2006.01)**
[25] EN
[54] **CYBER SECURITY SYSTEM AND METHOD USING INTELLIGENT AGENTS**
[54] **SYSTEME DE SECURITE ELECTRONIQUE ET PROCEDE UTILISANT DES AGENTS INTELLIGENTS**
[72] CANFIELD, RAYMOND, US
[71] CANFIELD, RAYMOND, US
[85] 2017-10-19
[86] 2016-07-18 (PCT/US2016/042820)
[87] (WO2017/011833)
[30] US (62/193,486) 2015-07-16

---

[21] **2,983,459**
[13] A1
[51] **Int.Cl. C07C 235/80 (2006.01) A61K 51/10 (2006.01) C07C 247/14 (2006.01) C07C 261/02 (2006.01) C07K 17/06 (2006.01)**
[25] EN
[54] **NOVEL IMAGING COMPOSITION AND USES THEREOF**
[54] **NOUVELLE COMPOSITION D'IMAGERIE ET SES UTILISATIONS**
[72] DONNELLY, PAUL STEPHEN, AU
[72] RUDD, STACEY ERIN, AU
[72] WILLIAMS, SPENCER JOHN, AU
[71] THE UNIVERSITY OF MELBOURNE, AU
[85] 2017-10-20
[86] 2015-10-16 (PCT/AU2015/050640)
[87] (WO2016/058056)
[30] AU (2014904138) 2014-10-16

[21] **2,983,460**
[13] A1
[51] **Int.Cl. A61K 31/365 (2006.01) A61K 31/665 (2006.01) A61P 31/04 (2006.01) C07D 307/66 (2006.01) C07F 9/655 (2006.01)**
[25] EN
[54] **DERIVATIVES OF KORORMICIN USEFUL AS ANTIBIOTICS**
[54] **DERIVES DE KORORMICINE UTILES EN TANT QU'ANTIBIOTIQUES**
[72] DIBROV, PAVEL, CA
[72] DIBROV, ELENA, CA
[72] PIERCE, GRANT, CA
[71] DIBROV, PAVEL, CA
[71] DIBROV, ELENA, CA
[71] PIERCE, GRANT, CA
[85] 2017-10-20
[86] 2016-04-22 (PCT/CA2016/050470)
[87] (WO2016/168938)
[30] US (62/151,902) 2015-04-23

[21] **2,983,461**
[13] A1
[51] **Int.Cl. G02B 27/01 (2006.01) G06T 15/04 (2011.01) G06T 15/80 (2011.01) G09G 5/36 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR OPTICAL ABERRATION CORRECTION**
[54] **PROCEDES ET DISPOSITIFS DE CORRECTION D'ABERRATION OPTIQUE**
[72] JONES, FRANK, CA
[72] ERSHADI, MEHDI AREZOOMAND, CA
[72] BACQUE, JAMES BENSON, CA
[71] ESIGHT CORP., CA
[85] 2017-10-20
[86] 2016-04-22 (PCT/CA2016/000122)
[87] (WO2016/168913)
[30] US (62/150,911) 2015-04-22

[21] **2,983,462**
[13] A1
[51] **Int.Cl. C01B 17/00 (2006.01) C01B 25/26 (2006.01) C01B 25/42 (2006.01) C01G 37/14 (2006.01)**
[25] EN
[54] **STABLE ELECTROLYTE MATERIAL AND SOLVENT MATERIAL CONTAINING SAME**
[54] **MATERIAU A ELECTROLYTE STABLE CONTENANT CELUI-CI**
[72] CARLSON, LAWRENCE, US
[72] HOEL, TIMOTHY, US
[72] ADLOFF, LAWRENCE, US
[72] WURZBURGER, STEVEN, US
[71] CARLSON, LAWRENCE, US
[71] HOEL, TIMOTHY, US
[71] ADLOFF, LAWRENCE, US
[71] WURZBURGER, STEVEN, US
[85] 2017-10-19
[86] 2016-04-25 (PCT/US2016/029173)
[87] (WO2016/172687)
[30] US (62/152,009) 2015-04-23

[21] **2,983,463**
[13] A1
[51] **Int.Cl. E04B 2/86 (2006.01) E04G 21/00 (2006.01)**
[25] EN
[54] **INSULATED CONCRETE FORM CONSTRUCTION METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE CONSTRUCTION DE COFFRAGE ISOLE**
[72] DAJNKO, MARJAN, CA
[71] INTEGRATED CONCRETE FORMING LTD., CA
[85] 2017-10-20
[86] 2016-02-11 (PCT/CA2016/050125)
[87] (WO2016/168916)
[30] US (62/150,077) 2015-04-20

[21] **2,983,466**
[13] A1
[51] **Int.Cl. G06F 19/00 (2011.01) G06Q 50/24 (2012.01) G06F 17/30 (2006.01)**
[25] EN
[54] **PATIENT-CENTRIC HEALTH RECORD SYSTEM AND RELATED METHODS**
[54] **SYSTEME DE DOSSIERS MEDICAUX CENTRE SUR LE PATIENT ET PROCEDES ASSOCIES**
[72] BESSETTE, LUC, CA
[72] LE BORGNE, YVES, CA
[71] BESSETTE, LUC, CA
[85] 2017-10-20
[86] 2016-04-13 (PCT/CA2016/050424)
[87] (WO2016/168922)
[30] US (62/150,013) 2015-04-20

[21] **2,983,467**
[13] A1
[51] **Int.Cl. B01L 9/00 (2006.01) B01L 3/00 (2006.01)**
[25] EN
[54] **INCUBATION TRAY**
[54] **CONDUIT D'INCUBATION**
[72] KAFFKA, CHRISTIAN, DE
[71] EUROIMMUN MEDIZINISCHE LABORDIAGNOSTIKA AG, DE
[85] 2017-10-20
[86] 2015-12-21 (PCT/EP2015/002575)
[87] (WO2016/169576)
[30] EP (15001230.0) 2015-04-24

[21] **2,983,470**
[13] A1
[51] **Int.Cl. C09C 1/00 (2006.01) C09C 1/04 (2006.01)**
[25] EN
[54] **CARBON-COATED PARTICLES**
[54] **PARTICULES REVETUES DE CARBONE**
[72] MATHEU, DAVID M., US
[72] CLARKE, THEIS, US
[72] CROCKER, DAVID SCOTT, US
[72] RUMPF, FREDERICK H., US
[72] REYNOLDS, DAVID C., US
[72] DOSHI, DHAVAL, US
[72] GREEN, MARTIN C., US
[71] CABOT CORPORATION, US
[85] 2017-10-19
[86] 2016-04-27 (PCT/US2016/029415)
[87] (WO2016/176237)
[30] US (62/155,142) 2015-04-30
[30] US (62/304,694) 2016-03-07

[21] **2,983,471**
[13] A1
[51] **Int.Cl. H04S 1/00 (2006.01)**
[25] EN
[54] **AN AUDIO SIGNAL PROCESSING APPARATUS AND METHOD FOR MODIFYING A STEREO IMAGE OF A STEREO SIGNAL**
[54] **APPAREIL DE TRAITEMENT DE SIGNAL AUDIO ET PROCEDE POUR MODIFIER UNE IMAGE STEREOSCOPIQUE D'UN SIGNAL STEREOSCOPIQUE**
[72] GEIGER, JURGEN, DE
[72] GROSCHE, PETER, DE
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-10-20
[86] 2015-04-24 (PCT/EP2015/058879)
[87] (WO2016/169608)

[21] **2,983,473**
[13] A1
[51] **Int.Cl. C08G 63/60 (2006.01) C08G 63/78 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A BRANCHED POLY(HYDROXYL ACID)**
[54] **PROCEDE DE FABRICATION D'UN POLY (HYDROXYLE ACIDE) RAMIFIE**
[72] PADMANABAN, GURURAJAN, IN
[72] CHARATI, SANJAY GURBASAPPA, FR
[72] MAKWANA, KETAN, IN
[72] SAHA, DIPANJAN, IN
[72] RAJESHIRKE, MANALI, IN
[71] SOLVAY SA, BE
[85] 2017-10-20
[86] 2015-04-29 (PCT/EP2015/059299)
[87] (WO2016/173640)

[21] **2,983,475**
[13] A1
[51] **Int.Cl. A61K 31/4545 (2006.01) A61P 35/00 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **FUMARATE AND CRYSTALS OF PYRIDYLAMINE COMPOUND**
[54] **FUMARATE ET CRISTAUX DE COMPOSE DE PYRIDYLAMINE**
[72] ZHAO, RUI, CN
[72] MENG, QINGYI, CN
[72] LI, XINLU, CN
[72] ZHANG, XIQUAN, CN
[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2017-10-20
[86] 2015-04-23 (PCT/CN2015/077308)
[87] (WO2016/169030)

[21] **2,983,478**
[13] A1
[51] **Int.Cl. B24D 11/00 (2006.01) B24D 3/00 (2006.01)**
[25] EN
[54] **ABRASIVE BELT GRINDING PRODUCT**
[54] **PRODUIT DE MEULAGE A COURROIE ABRASIVE**
[72] SCHUMACHER, NICOLAS, FI
[72] GRON, JAN, FI
[72] KYYNARAINEN, NIINA, FI
[72] HEDE, HANS, FI
[72] SUNDELL, MATS, FI
[71] MIRKA LTD., FI
[85] 2017-10-20
[86] 2015-05-08 (PCT/EP2015/060186)
[87] (WO2016/180437)

[21] **2,983,479**
[13] A1
[51] **Int.Cl. G06F 3/06 (2006.01)**
[25] EN
[54] **METHOD FOR ACCESSING EXTENDED MEMORY, DEVICE, AND SYSTEM**
[54] **METHODE D'ACCES A LA MEMOIRE ETENDUE, DISPOSITIF ET SYSTEME**
[72] CUI, ZEHAN, CN
[72] CHEN, MINGYU, CN
[72] LIU, YAO, CN
[72] RUAN, YUAN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-10-20
[86] 2016-02-03 (PCT/CN2016/073304)
[87] (WO2016/169318)
[30] CN (201510198452.X) 2015-04-23

[21] **2,983,480**
[13] A1
[51] **Int.Cl. B29C 70/38 (2006.01) B29C 53/58 (2006.01) B29C 53/68 (2006.01)**
[25] EN
[54] **DEVICE FOR LAYING UP A COMPOSITE PRODUCT WITH FIBROUS ROVINGS**
[54] **DISPOSITIF PERMETTANT DE DISPOSER DES COUCHES D'UN PRODUIT COMPOSITE A STRATIFILS FIBREUX**
[72] TICHY, STANISLAV, CZ
[72] KLAUZ, JIRI, CZ
[72] HASL, PAUL, CZ
[72] STRAKA, JAROMIR, CZ
[71] MAGNA EXTERIORS (BOHEMIA) S.R.O., CZ
[71] AURA - ENGINEERING HRANICE S.R.O., CZ
[85] 2017-10-20
[86] 2016-04-19 (PCT/CZ2016/000046)
[87] (WO2016/169531)
[30] CZ (PV 2015-275) 2015-04-24

[21] **2,983,481**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **JANUS KINASE INHIBITOR**
[54] **INHIBITEUR DE LA JANUS KINASE**
[72] WU, HAO, CN
[72] MAO, WEIWEI, CN
[72] HUANG, YIQIANG, CN
[72] FAN, LILI, CN
[72] CHEN, SHUHUI, CN
[71] WUXI FORTUNE PHARMACEUTICAL CO., LTD., CN
[85] 2017-10-20
[86] 2016-05-26 (PCT/CN2016/083426)
[87] (WO2016/192563)
[30] CN (201510289933.1) 2015-05-29
[30] CN (201610344370.6) 2016-05-23

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[21] **2,983,482**
[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01)**
[25] EN
[54] **A FLUID ANALYSIS DEVICE**
[54] **DISPOSITIF D'ANALYSE DE FLUIDE**
[72] PEUMANS, PETER, BE
[72] LAGAE, LIESBET, BE
[72] FIORINI, PAOLO, BE
[71] IMEC VZW, BE
[85] 2017-10-20
[86] 2015-11-24 (PCT/EP2015/077439)
[87] (WO2016/083337)
[30] EP (14194859.6) 2014-11-26

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[21] **2,983,484**
[13] A1
[51] **Int.Cl. D02G 3/08 (2006.01) D02G 3/04 (2006.01) D02G 3/36 (2006.01) D21F 11/16 (2006.01)**
[25] EN
[54] **CHEMICAL METHOD AND SYSTEM FOR THE MANUFACTURE OF FIBROUS YARN**
[54] **PROCEDE ET SYSTEME CHIMIQUE PERMETTANT LA FABRICATION DE FIL FIBREUX**
[72] LIUKKONEN, JOHANNA, FI
[72] HAAVISTO, SANNA, FI
[72] SELENIUS, PASI, FI
[72] SALMELA, JUHA, FI
[72] PORANEN, JANNE, FI
[71] SPINNOVA OY, FI
[85] 2017-10-20
[86] 2016-04-25 (PCT/FI2016/050269)
[87] (WO2016/174307)
[30] US (62/153,656) 2015-04-28

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[21] **2,983,485**
[13] A1
[51] **Int.Cl. C07D 489/02 (2006.01) A61K 31/485 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **CRYSTALLINE SALTS OF HYDROCODONE BITARTRATE**
[54] **SELS CRISTALLINS DE BITARTRATE D'HYDROCODONE**
[72] WENING, KLAUS, DE
[72] BARNSCHEID, LUTZ, DE
[72] GEISSLER, ANJA, DE
[72] DENKER, JANA, DE
[72] LISCHKE, DAGMAR, DE
[71] GRUNENTHAL GMBH, DE
[85] 2017-10-20
[86] 2016-04-22 (PCT/EP2016/025040)
[87] (WO2016/169662)
[30] EP (15001225.0) 2015-04-24

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[21] **2,983,486**
[13] A1
[51] **Int.Cl. A61K 6/02 (2006.01) A61F 2/28 (2006.01) A61L 27/10 (2006.01) A61L 27/54 (2006.01) A61P 19/08 (2006.01)**
[25] EN
[54] **IRRIGATION RESISTANT COMPOSITIONS FOR REGENERATION OF HARD TISSUES AND METHODS AND KITS OF USING THE SAME**
[54] **COMPOSITIONS RESISTANTES A L'IRRIGATION POUR LA REGENERATION DE TISSUS DURS ET LEURS PROCEDES ET EQUIPEMENTS D'UTILISATION**
[72] POMRINK, GREGORY J., US
[72] TOSUN, ZEHRA, US
[71] NOVABONE PRODUCTS, LLC, US
[85] 2017-10-19
[86] 2016-04-22 (PCT/US2016/028764)
[87] (WO2016/172426)
[30] US (14/695,910) 2015-04-24

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[21] **2,983,488**
[13] A1
[51] **Int.Cl. A61B 17/80 (2006.01) A61B 17/88 (2006.01)**
[25] EN
[54] **CLAVICLE IMPLANTS**
[54] **IMPLANTS DE CLAVICULE**
[72] SIXTO, ROBERT, US
[72] SUAREZ, ANDREA, US
[72] KORTENBACH, JUERGEN A., US
[72] PEREZ, ALEJANDRO, US
[71] BIOMET MANUFACTURING, LLC, US
[85] 2017-10-19
[86] 2016-04-22 (PCT/US2016/028924)
[87] (WO2016/172536)
[30] US (62/152,320) 2015-04-24

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[21] **2,983,491**
[13] A1
[51] **Int.Cl. F16K 1/22 (2006.01) F16C 17/04 (2006.01) F16C 17/10 (2006.01)**
[25] EN
[54] **BEARING FOR ROTARY CONTROL VALVE**
[54] **PALIER POUR SOUPAPE DE COMMANDE ROTATIVE**
[72] LEGER, BRYAN Q., US
[71] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2017-10-19
[86] 2016-04-25 (PCT/US2016/029134)
[87] (WO2016/172671)
[30] US (62/152,647) 2015-04-24

[21] **2,983,494**
[13] A1
[51] **Int.Cl. B64G 1/64 (2006.01) B64G 1/10 (2006.01)**
[25] EN
[54] **STACKABLE SATELLITES AND METHOD OF STACKING SAME**
[54] **SATELLITES EMPILABLES ET LEUR PROCEDE D'EMPILAGE**
[72] ASKIJIAN, ARMEN, US
[72] FIELD, DANIEL W., US
[72] GROSSMAN, JAMES, US
[72] SMITH, ALEXANDER D., US
[71] WORLDVU SATELLITES LIMITED, US
[85] 2017-10-19
[86] 2016-04-27 (PCT/US2016/029509)
[87] (WO2016/176298)
[30] US (14/700,466) 2015-04-30

---

[21] **2,983,497**
[13] A1
[51] **Int.Cl. B64G 1/64 (2006.01) B64G 1/10 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ASSEMBLING AND DEPLOYING SATELLITES**
[54] **SYSTEME ET PROCEDE POUR ASSEMBLER ET DEPLOYER DES SATELLITES**
[72] FIELD, DANIEL W., US
[72] ASKIJIAN, ARMEN, US
[72] GROSSMAN, JAMES, US
[72] SMITH, ALEXANDER D., US
[71] WORLDVU SATELLITES LIMITED, US
[85] 2017-10-19
[86] 2016-04-27 (PCT/US2016/029518)
[87] (WO2016/176302)
[30] US (14/700,504) 2015-04-30

---

[21] **2,983,499**
[13] A1
[51] **Int.Cl. C07D 489/04 (2006.01) A61K 31/485 (2006.01) A61P 25/04 (2006.01)**
[25] EN
[54] **CRYSTALLINE SALTS OF MORPHINE SULFATE**
[54] **SELS CRISTALLINS DE SULFATE DE MORPHINE**
[72] WENING, KLAUS, DE
[72] BARNSCHEID, LUTZ, DE
[72] GEISSLER, ANJA, DE
[72] DENKER, JANA, DE
[72] LISCHKE, DAGMAR, DE
[71] GRUENENTHAL GMBH, DE
[85] 2017-10-20
[86] 2016-04-22 (PCT/EP2016/025041)
[87] (WO2016/169663)
[30] EP (15001226.8) 2015-04-24

---

[21] **2,983,502**
[13] A1
[51] **Int.Cl. B08B 15/02 (2006.01) B01L 1/00 (2006.01) B25H 1/20 (2006.01) G01G 21/28 (2006.01)**
[25] EN
[54] **WEIGHING TAKE-OFF**
[54] **SORBONNE DE PESEE**
[72] LIEBSCH, JURGEN, DE
[71] WALDNER AG, CH
[85] 2017-10-20
[86] 2016-02-15 (PCT/EP2016/053115)
[87] (WO2016/146314)
[30] DE (10 2015 103 765.3) 2015-03-15

---

[21] **2,983,504**
[13] A1
[51] **Int.Cl. B08B 15/02 (2006.01) B01L 1/00 (2006.01) G01G 21/28 (2006.01)**
[25] EN
[54] **WEIGHING FUME CUPBOARD**
[54] **SORBONNE DE PESEE**
[72] LIEBSCH, JURGEN, DE
[71] WALDNER AG, CH
[85] 2017-10-20
[86] 2016-02-15 (PCT/EP2016/053118)
[87] (WO2016/146315)
[30] DE (10 2015 103 766.1) 2015-03-15

---

[21] **2,983,509**
[13] A1
[51] **Int.Cl. B08B 15/02 (2006.01) B01L 1/00 (2006.01) B25H 1/20 (2006.01) G01G 21/28 (2006.01)**
[25] EN
[54] **WEIGHING FUME CUPBOARD**
[54] **SORBONNE DE PESEE**
[72] LIEBSCH, JURGEN, DE
[71] WALDNER AG, CH
[85] 2017-10-20
[86] 2016-02-15 (PCT/EP2016/053122)
[87] (WO2016/146317)
[30] DE (10 2015 103 768.8) 2015-03-15

---

[21] **2,983,513**
[13] A1
[51] **Int.Cl. B08B 15/00 (2006.01) B01L 1/00 (2006.01)**
[25] EN
[54] **BALANCE ENCLOSURE**
[54] **SORTIE DE PESEE**
[72] LIEBSCH, JURGEN, DE
[71] WALDNER AG, CH
[85] 2017-10-20
[86] 2016-02-15 (PCT/EP2016/053127)
[87] (WO2016/146320)
[30] DE (10 2015 103 772.6) 2015-03-15

---

[21] **2,983,516**
[13] A1
[51] **Int.Cl. C08K 3/16 (2006.01) C08K 5/14 (2006.01) C08L 95/00 (2006.01) C09J 195/00 (2006.01)**
[25] EN
[54] **MODIFIED BITUMINOUS BINDER EMULSION**
[54] **EMULSION DE LIANT BITUMINEUX MODIFIEE**
[72] SUBHAASH, THACHANPARAMBATH KUTTAPPA, IN
[71] COLAS, FR
[85] 2017-10-20
[86] 2016-04-21 (PCT/EP2016/058949)
[87] (WO2016/170083)
[30] EP (15305623.9) 2015-04-23
[30] IN (1133/DEL/2015) 2015-04-23

[21] **2,983,518**
[13] A1
[51] **Int.Cl. B01J 23/882 (2006.01) B01J 23/883 (2006.01) B01J 37/02 (2006.01) C10G 45/08 (2006.01)**
[25] EN
[54] **HYDROTREATING CATALYST CONTAINING METAL ORGANIC SULFIDES ON DOPED SUPPORTS**
[54] **CATALYSEUR D'HYDROTRAITEMENT CONTENANT DES SULFURES ORGANIQUES METALLIQUES SUR DES SUPPORTS DOPES**
[72] BUS, EVELINE, NL
[72] DEKA, UPAKUL, NL
[72] VAN DER GRIEND, HANS, NL
[72] VOGELAAR, BASTIAAN MAARTEN, NL
[72] THOONEN, SANDER HENDRIKUS LAMBERTUS, NL
[72] EIJSBOUTS-SPICKOVA, SONJA, NL
[71] ALBEMARLE EUROPE SPRL, BE
[85] 2017-10-20
[86] 2016-04-25 (PCT/EP2016/059197)
[87] (WO2016/170188)
[30] US (62/152,382) 2015-04-24

---

[21] **2,983,533**
[13] A1
[51] **Int.Cl. F01K 13/00 (2006.01) F01K 7/16 (2006.01)**
[25] EN
[54] **COMBINED CYCLE POWER GENERATION**
[54] **GENERATION D'ENERGIE A CYCLES COMBINES**
[72] DENG, SHIMIN, CA
[71] HATCH LTD., CA
[85] 2017-10-20
[86] 2016-04-18 (PCT/CA2016/050447)
[87] (WO2016/168923)
[30] US (62/150,046) 2015-04-20

---

[21] **2,983,537**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/18 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **METHOD FOR INCREASING THE PERCENTAGE OF MONOMERIC ANTIBODY FAB-DSFV MULTIMERIC SPECIES**
[54] **PROCEDE POUR AUGMENTER LE POURCENTAGE D'ESPECE MULTIMERIQUE FAB-DSFV D'ANTICORPS MONOMERIQUE**
[72] HEYWOOD, SAM PHILIP, GB
[72] WILD, GAVIN BARRY, GB
[72] LE PAGE, CHRISTOPHER JOHN, GB
[72] HANIF, RAZWAN, GB
[71] UCB BIOPHARMA SPRL, BE
[85] 2017-10-20
[86] 2016-04-22 (PCT/EP2016/059050)
[87] (WO2016/170137)
[30] GB (1506869.5) 2015-04-22

---

[21] **2,983,539**
[13] A1
[51] **Int.Cl. D04H 1/488 (2012.01) D04H 1/49 (2012.01) A41D 27/06 (2006.01) D04H 1/66 (2012.01) D04H 1/68 (2012.01) D06M 17/10 (2006.01)**
[25] EN
[54] **THERMOFUSIBLE SHEET MATERIAL**
[54] **TEXTILE THERMOFIXABLE**
[72] TRASER, STEFFEN, DE
[72] KREMSER, STEFFEN, DE
[71] CARL FREUDENBERG KG, DE
[85] 2017-10-20
[86] 2016-04-04 (PCT/EP2016/057314)
[87] (WO2016/169752)
[30] DE (10 2015 005 089.3) 2015-04-22

---

[21] **2,983,542**
[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01) G01N 33/74 (2006.01)**
[25] EN
[54] **A METHOD FOR PREDICTING THE RISK OF INCIDENCE OF CHRONIC KIDNEY DISEASE**
[54] **METHODE PERMETTANT DE PREDIRE LE RISQUE D'INCIDENCE D'UNE MALADIE RENALE CHRONIQUE**
[72] BERGMANN, ANDREAS, DE
[72] MELANDER, OLLE, SE
[71] SPHINGOTEC GMBH, DE
[85] 2017-10-20
[86] 2016-04-21 (PCT/EP2016/058829)
[87] (WO2016/170023)
[30] EP (15165047.0) 2015-04-24

---

[21] **2,983,544**
[13] A1
[51] **Int.Cl. A61M 5/31 (2006.01) C23C 16/40 (2006.01)**
[25] EN
[54] **PRIMARY PACKAGING AND METHOD FOR THE MANUFACTURE OF A PRIMARY PACKAGING**
[54] **MOYEN D'EMBALLAGE PRINCIPAL ET PROCEDE DE FABRICATION D'UN MOYEN D'EMBALLAGE PRINCIPAL**
[72] KUHNLE, SARAH, DE
[72] BOTTGER, FRANK, DE
[72] NELLES, PAUL, DE
[71] VETTER PHARMA-FERTIGUNG GMBH & CO. KG, DE
[85] 2017-10-20
[86] 2016-04-21 (PCT/EP2016/058895)
[87] (WO2016/170054)
[30] DE (10 2015 207 228.2) 2015-04-21

[21] **2,983,545**
[13] A1
[51] **Int.Cl. A23L 5/44 (2016.01) A23L 5/40 (2016.01) A23L 2/58 (2006.01)**
[25] EN
[54] **WATER-DISPERSIBLE COLORING COMPOSITION**
[54] **COMPOSITION COLORANTE DISPERSIBLE DANS L'EAU**
[72] KOEHLER, KLAUS, DK
[72] NAUD, JULIETTE, DK
[71] CHR. HANSEN NATURAL COLORS A/S, DK
[85] 2017-10-20
[86] 2016-04-26 (PCT/EP2016/059232)
[87] (WO2016/174004)
[30] EP (15165332.6) 2015-04-28
[30] EP (16154833.4) 2016-02-09

---

[21] **2,983,548**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) G01N 33/574 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **IGF-1R ANTIBODY AND ITS USE FOR THE DIAGNOSIS OF CANCER**
[54] **ANTICORPS ANTI-IGF-1R ET SON UTILISATION POUR LE DIAGNOSTIC DU CANCER**
[72] JOUHANNEAUD, ALEXANDRA, FR
[71] PIERRE FABRE MEDICAMENT, FR
[85] 2017-10-20
[86] 2016-04-27 (PCT/EP2016/059338)
[87] (WO2016/174053)
[30] EP (15305642.9) 2015-04-27

---

[21] **2,983,549**
[13] A1
[51] **Int.Cl. C40B 40/10 (2006.01)**
[25] EN
[54] **METHOD AND COMPOSITION FOR PEPTIDE CYCLIZATION AND PROTEASE TREATMENT**
[54] **PROCEDE ET COMPOSITION POUR CYCLISATION PEPTIDIQUE ET TRAITEMENT PAR PROTEASE**
[72] ALBERT, THOMAS, US
[72] LYAMICHEV, VICTOR, US
[72] PATEL, JIGAR, US
[72] GOODRICH, LAUREN, US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2017-10-20
[86] 2016-04-22 (PCT/EP2016/058998)
[87] (WO2016/170107)
[30] US (62/152,010) 2015-04-23

---

[21] **2,983,551**
[13] A1
[51] **Int.Cl. G06Q 50/22 (2012.01) G06Q 10/10 (2012.01)**
[25] EN
[54] **LOCATION-BASED WIRELESS DIABETES MANAGEMENT SYSTEMS, METHODS AND APPARATUS**
[54] **SYSTEMES, PROCEDES ET APPAREILS DE GESTION DU DIABETE SANS FIL EN FONCTION DE L'EMPLACEMENT**
[72] GASS, JENNIFER L., US
[72] HARBOUN, MICHAEL, US
[72] KING, SIMON, US
[71] ASCENSIA DIABETES CARE HOLDINGS AG, CH
[85] 2017-10-20
[86] 2016-04-29 (PCT/EP2016/059616)
[87] (WO2016/174206)
[30] US (62/154,600) 2015-04-29

---

[21] **2,983,552**
[13] A1
[51] **Int.Cl. G04R 20/00 (2013.01) G01S 19/07 (2010.01) G01S 19/28 (2010.01) G04R 20/02 (2013.01) H04B 7/02 (2017.01)**
[25] FR
[54] **SYSTEM FOR PROCESSING SIGNALS FROM AN EMITTER FOR THE PURPOSE OF DATING THE SIGNALS AND LOCATING THE EMITTER, AND ASSOCIATED RECEIVING STATION**
[54] **SYSTEME DE TRAITEMENT DE SIGNAUX ISSUS D'UN EMETTEUR A DES FINS DE DATATION DE SIGNAUX ET DE LOCALISATION DE L'EMETTEUR ET STATION DE RECEPTION ASSOCIE**
[72] GUILLOT, BAPTISTE, FR
[72] SAFFRE, FREDERIC, FR
[72] PICARD, YANN, FR
[71] ZODIAC DATA SYSTEMS, FR
[85] 2017-10-20
[86] 2016-04-27 (PCT/EP2016/059340)
[87] (WO2016/174054)
[30] FR (1553761) 2015-04-27

---

[21] **2,983,554**
[13] A1
[51] **Int.Cl. B65B 5/10 (2006.01) A61J 7/00 (2006.01)**
[25] EN
[54] **DEVICE FOR PACKAGING MEDICATION PORTIONS**
[54] **DISPOSITIF D'EMBALLAGE DE LOTS DE MEDICAMENTS**
[72] HELLENBRAND, CHRISTOPH, DE
[71] BECTON DICKINSON ROWA GERMANY GMBH, DE
[85] 2017-10-20
[86] 2016-05-03 (PCT/EP2016/059930)
[87] (WO2016/180688)
[30] EP (15167584.0) 2015-05-13

---

[21] **2,983,556**
[13] A1
[51] **Int.Cl. G01N 33/28 (2006.01)**
[25] EN
[54] **PROCESS COMPRISING ANALYSING A FLOWING FLUID**
[54] **PROCEDE COMPRENANT L'ANALYSE D'UN FLUIDE S'ECOULANT**
[72] DE GRAAF, CORNELIS PIETER WILHELMUS, NL
[71] SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2017-10-20
[86] 2016-05-04 (PCT/EP2016/059978)
[87] (WO2016/180698)
[30] EP (15167307.6) 2015-05-12

---

[21] **2,983,557**
[13] A1
[51] **Int.Cl. G01N 33/574 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR HIGH THROUGHPUT SCREENING OF CANCER CELLS**
[54] **SYSTEME ET PROCEDE DE DEPISTAGE A HAUT DEBIT DE CELLULES CANCEREUSES**
[72] BALLAN, EYAL, IL
[71] CANNABICS PHARMACEUTICALS INC., US
[85] 2017-09-13
[86] 2016-05-04 (PCT/IL2016/050471)
[87] (WO2016/189525)
[30] US (62/166,716) 2015-05-27

[21] **2,983,558**
[13] A1
[51] **Int.Cl. F04B 49/06 (2006.01) F04B 17/03 (2006.01) H02K 7/14 (2006.01) H02P 27/02 (2016.01)**
[25] EN
[54] **METHOD FOR OPERATING THE FLUID DELIVERY SYSTEM**
[54] **PROCEDE PERMETTANT DE FAIRE FONCTIONNER UN SYSTEME DE REFOULEMENT DE FLUIDE**
[72] BEHRENDT, GERALD, DE
[71] CONTINENTAL AUTOMOTIVE GMBH, DE
[85] 2017-10-20
[86] 2016-05-10 (PCT/EP2016/060373)
[87] (WO2016/180800)
[30] DE (10 2015 208 680.1) 2015-05-11

---

[21] **2,983,559**
[13] A1
[51] **Int.Cl. C07K 5/065 (2006.01) A61K 38/05 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARATION OF NITROGEN MUSTARD DERIVATIVES**
[54] **PROCEDE POUR LA PREPARATION DE DERIVES DE MOUTARDE AZOTES**
[72] WAHLSTROM, NIKLAS HAKAN, SE
[72] WENNERBERG, JOHAN ANDERS, SE
[71] ONCOPEPTIDES AB, SE
[85] 2017-10-20
[86] 2016-05-06 (PCT/EP2016/060242)
[87] (WO2016/180740)
[30] GB (1507903.1) 2015-05-08

---

[21] **2,983,561**
[13] A1
[51] **Int.Cl. C08G 18/48 (2006.01) C08G 18/18 (2006.01) C08G 18/32 (2006.01) C08G 18/42 (2006.01) C08G 18/76 (2006.01) C08K 3/00 (2006.01)**
[25] EN
[54] **PUR/PIR RIGID FOAMS FROM ISOPROPYLIDENEDIPHENOL-BASED POLYETHERS**
[54] **MOUSSES RIGIDES PUR/PIR COMPOSEES DE POLYETHERS A BASE D'ISOPROPYLIDENEDIPHENOL**
[72] NEFZGER, HARTMUT, DE
[72] SCHLEIERMACHER, STEPHAN, DE
[72] LORENZ, KLAUS, DE
[71] COVESTRO DEUTSCHLAND AG, DE
[85] 2017-10-20
[86] 2016-05-09 (PCT/EP2016/060287)
[87] (WO2016/180757)
[30] EP (15167106.2) 2015-05-11
[30] EP (16154562.9) 2016-02-05

---

[21] **2,983,562**
[13] A1
[51] **Int.Cl. G06F 19/00 (2011.01) G06F 19/18 (2011.01) A61B 5/00 (2006.01) A61G 99/00 (2006.01)**
[25] EN
[54] **CLINICAL SUPPORT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ASSISTANCE CLINIQUE**
[72] DAWES, MARTIN, CA
[72] DAWES, DIANA, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2017-10-20
[86] 2016-04-29 (PCT/CA2016/050495)
[87] (WO2016/172801)
[30] US (62/154,540) 2015-04-29

---

[21] **2,983,563**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4985 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **IMIDAZOPYRAZINONES AS PDE1 INHIBITORS**
[54] **IMIDAZOPYRAZINONES UTILISEES COMME INHIBITEURS DE PDE1**
[72] KEHLER, JAN, DK
[72] RASMUSSEN, LARS KYHN, DK
[72] LANGGARD, MORTEN, DK
[72] JESSING, MIKKEL, DK
[72] VITAL, PAULO JORGE VIEIRA, DK
[72] JUHL, KARSTEN, DK
[71] H. LUNDBECK A/S, DK
[85] 2017-10-20
[86] 2016-04-29 (PCT/EP2016/059583)
[87] (WO2016/174188)
[30] DK (PA 2015 00261) 2015-04-30
[30] DK (PA 2015 00666) 2015-10-29
[30] DK (PA 2016 00202) 2016-04-04

---

[21] **2,983,564**
[13] A1
[51] **Int.Cl. F16K 5/20 (2006.01)**
[25] EN
[54] **NOVEL DOUBLE-PISTON-EFFECT VALVE**
[54] **SOUPAPE A DOUBLE EFFET DE PISTON D'UN NOUVEAU TYPE**
[72] CHEN, JEROME CHIN LUNG, CA
[72] LI, MICHAEL QIANG, CA
[71] FORTUNE MFG. CO., LTD., CN
[85] 2017-10-20
[86] 2015-03-25 (PCT/CN2015/075042)
[87] (WO2016/029689)
[30] CN (201420483410.1) 2014-08-26

[21] **2,983,565**
[13] A1
[51] **Int.Cl. E04B 1/92 (2006.01) E04B 1/94 (2006.01)**
[25] FR
[54] **BUILDING ELEMENT AND ASSOCIATED REINFORCING DEVICE**
[54] **ELEMENT DE CONSTRUCTION ET DISPOSITIF DE RENFORCEMENT ASSOCIE**
[72] DURANTET, CAROLE, FR
[72] GOOR, JAN, NL
[72] ANDERSSON, LEIF, FR
[71] SAINT-GOBAIN ISOVER, FR
[85] 2017-10-20
[86] 2016-04-28 (PCT/FR2016/050999)
[87] (WO2016/174359)
[30] FR (1500917) 2015-04-30

---

[21] **2,983,566**
[13] A1
[51] **Int.Cl. A01J 7/04 (2006.01)**
[25] EN
[54] **PLANT FOR WASHING AND SANITISING THE UDDERS OF DAIRY ANIMALS**
[54] **INSTALLATION DE LAVAGE ET DE DESINFECTION DES MAMELLES D'ANIMAUX LAITIERS**
[72] VECCHIA, GIULIANO, IT
[71] PULI-SISTEM S.R.L., IT
[85] 2017-10-20
[86] 2016-04-22 (PCT/IB2016/000519)
[87] (WO2016/170418)
[30] IT (102015902346095) 2015-04-23

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[21] **2,983,567**
[13] A1
[51] **Int.Cl. C12N 9/22 (2006.01)**
[25] EN
[54] **NUCLEASE-MEDIATED GENOME EDITING**
[54] **EDITION DU GENOME MEDIEE PAR UNE NUCLEASE**
[72] VAN DER OOST, JOHN, NL
[71] WAGENINGEN UNIVERSITEIT, NL
[85] 2017-10-20
[86] 2016-04-15 (PCT/EP2016/058442)
[87] (WO2016/166340)
[30] GB (1506509.7) 2015-04-16
[30] US (62/269,143) 2015-12-18
[30] US (62/312,724) 2016-03-24

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[21] **2,983,568**
[13] A1
[51] **Int.Cl. A61B 17/128 (2006.01) A61B 17/068 (2006.01) A61B 17/10 (2006.01) A61B 17/94 (2006.01)**
[25] EN
[54] **SURGICAL FASTENER DELIVERY AND LOCKING MECHANISM**
[54] **MECANISME DE MISE EN PLACE ET DE VERROUILLAGE D'ELEMENT DE FIXATION CHIRURGICAL**
[72] LEVY, ARIE, IL
[72] LEVIN, YEHONATAN, IL
[72] LEVIN, LENA, IL
[72] LEVIN, OFEK, IL
[71] VIA SURGICAL LTD., IL
[85] 2017-10-20
[86] 2016-04-19 (PCT/IB2016/000571)
[87] (WO2016/170423)
[30] US (62/151,631) 2015-04-23

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[21] **2,983,569**
[13] A1
[51] **Int.Cl. H04W 36/14 (2009.01) H04W 48/18 (2009.01) H04W 92/12 (2009.01)**
[25] EN
[54] **COMMUNICATION METHOD, COMMUNICATION SYSTEM, BASE STATION FOR MOBILE COMMUNICATION, AND COMMUNICATION DEVICE FOR WIRELESS LAN**
[54] **PROCEDE DE COMMUNICATION, SYSTEME DE COMMUNICATION, STATION DE BASE POUR COMMUNICATION MOBILE, ET APPAREIL DE COMMUNICATION POUR RESEAU LAN SANS FIL**
[72] ONISHI, SHINJI, JP
[72] MIZUKAMI, DAISUKE, JP
[72] SHIGA, SHINGO, JP
[72] EGASHIRA, KAZUHIRO, JP
[72] TAMURA, TOSHIYUKI, JP
[71] NEC CORPORATION, JP
[85] 2017-10-20
[86] 2016-04-26 (PCT/JP2016/002187)
[87] (WO2016/174864)
[30] JP (2015-091319) 2015-04-28

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[21] **2,983,571**
[13] A1
[51] **Int.Cl. B23C 5/12 (2006.01)**
[25] EN
[54] **T-SLOT CUTTER**
[54] **FRAISE POUR RAINURE EN T**
[72] OSAWA, JIRO, JP
[72] YODA, TOMONORI, JP
[71] OSG CORPORATION, JP
[85] 2017-10-20
[86] 2015-06-15 (PCT/JP2015/067162)
[87] (WO2016/203520)

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[21] **2,983,572**
[13] A1
[51] **Int.Cl. B21B 13/12 (2006.01) B21B 13/00 (2006.01) B21B 27/02 (2006.01) B21B 29/00 (2006.01) B21B 31/18 (2006.01)**
[25] EN
[54] **MILLING APPARATUS**
[54] **DISPOSITIF DE LAMINAGE**
[72] TACHIBANA, TAKAHIRO, JP
[72] MAEDA, SHIGERU, JP
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[85] 2017-10-20
[86] 2016-04-25 (PCT/JP2016/062926)
[87] (WO2016/175174)
[30] JP (2015-090310) 2015-04-27

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[21] **2,983,573**
[13] A1
[51] **Int.Cl. A45D 20/12 (2006.01)**
[25] EN
[54] **LIGHT IRRADIATION DEVICE**
[54] **DISPOSITIF D'IRRADIATION DE LUMIERE**
[72] SHIBASHI, TADASHI, JP
[72] ITO, TOMOYUKI, JP
[71] METRAS, INC., JP
[85] 2017-10-20
[86] 2016-04-20 (PCT/JP2016/062531)
[87] (WO2016/175102)
[30] JP (2015-089953) 2015-04-27
[30] JP (2015-252512) 2015-12-24

[21] **2,983,574**
[13] A1
[51] **Int.Cl. G01B 11/14 (2006.01)**
[25] EN
[54] **INITIALIZING AN INERTIAL SENSOR USING SOFT CONSTRAINTS AND PENALTY FUNCTIONS**
[54] **INITIALISATION DE CAPTEUR INERTIEL A L'AIDE DE CONTRAINTES DOUCES ET DE FONCTIONS DE PENALITE**
[72] GOREE, JOHN, US
[72] BOSE, BHASKAR, US
[72] GUPTA, PIYUSH, US
[71] BLAST MOTION, INC., US
[85] 2017-10-20
[86] 2015-04-21 (PCT/US2015/026917)
[87] (WO2015/164403)
[30] US (14/258,291) 2014-04-22

[21] **2,983,575**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 35/15 (2015.01) A61K 35/17 (2015.01) A61K 31/7088 (2006.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **IMMUNITY-INDUCING AGENT**
[54] **AGENT INDUCTEUR DE L'IMMUNITE**
[72] KURIHARA, AKIRA, JP
[72] OKANO, FUMIYOSHI, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2017-10-20
[86] 2016-04-28 (PCT/JP2016/063436)
[87] (WO2016/175309)
[30] JP (2015-093354) 2015-04-30

[21] **2,983,576**
[13] A1
[51] **Int.Cl. B21D 5/01 (2006.01) B21D 22/26 (2006.01)**
[25] EN
[54] **PRESS-FORMING APPARATUS AND PRESS-FORMING METHOD**
[54] **DISPOSITIF DE MOULAGE PAR PRESSAGE ET PROCEDE DE MOULAGE PAR PRESSAGE**
[72] OGAWA, MISAO, JP
[72] ITOH, MASARU, JP
[72] SUZUKI, TOSHIYA, JP
[72] TANOUE, HIROYUKI, JP
[72] TANAKA, YASUHARU, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2017-10-20
[86] 2016-05-11 (PCT/JP2016/063976)
[87] (WO2016/181986)
[30] JP (2015-096908) 2015-05-11

[21] **2,983,577**
[13] A1
[51] **Int.Cl. G01B 11/24 (2006.01)**
[25] EN
[54] **SHAPE INSPECTION METHOD, SHAPE INSPECTION APPARATUS, AND PROGRAM**
[54] **PROCEDE ET DISPOSITIF D'INSPECTION DE FORME, ET PROGRAMME**
[72] HIBI, ATSUHIRO, JP
[72] KONNO, YUSUKE, JP
[72] FURUYA, NOBUHIRO, JP
[72] KUROIWA, TOMOHIRO, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2017-10-20
[86] 2016-05-13 (PCT/JP2016/064266)
[87] (WO2016/182055)
[30] JP (2015-098031) 2015-05-13

[21] **2,983,578**
[13] A1
[51] **Int.Cl. H04L 7/00 (2006.01) H03H 17/02 (2006.01) H03H 17/06 (2006.01)**
[25] EN
[54] **DATA PHASE TRACKING DEVICE, DATA PHASE TRACKING METHOD AND COMMUNICATION DEVICE**
[54] **DISPOSITIF DE SUIVI DE PHASE DE DONNEES, PROCEDE DE SUIVI DE PHASE DE DONNEES ET DISPOSITIF DE COMMUNICATION**
[72] ONUMA, YASUHARU, JP
[72] TACHIBANA, MASAHIRO, JP
[72] YAMAZAKI, ETSUSHI, JP
[72] TAKEI, KAZUHITO, JP
[72] YOSHIDA, YUKI, JP
[72] IKEDA, MASAYUKI, JP
[72] KISAKA, YOSHIAKI, JP
[72] TOMIZAWA, MASAHITO, JP
[71] NTT ELECTRONICS CORPORATION, JP
[71] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP
[85] 2017-10-20
[86] 2017-01-16 (PCT/JP2017/001196)
[87] (WO2017/154351)
[30] JP (2016-044105) 2016-03-08

[21] **2,983,579**
[13] A1
[51] **Int.Cl. F16L 23/18 (2006.01) F16L 23/16 (2006.01)**
[25] EN
[54] **SEALING SYSTEM HAVING INTERLOCKING INNER DIAMETER SEAL ELEMENT TO RESIST PRESSURE CHANGES**
[54] **SYSTEME D'ETANCHEITE AYANT UN ELEMENT DE JOINT D'ETANCHEITE DE DIAMETRE INTERNE A VERROUILLAGE MUTUEL POUR RESISTER A DES CHANGEMENTS DE PRESSION**
[72] BANDER, NICHOLAS, US
[72] ROBERTSON, PATRICK, US
[72] WITTEKIND, DAVID, US
[72] TANNER, T. SCOTT, US
[71] GARLOCK PIPELINE TECHNOLOGIES, INC., US
[85] 2017-10-20
[86] 2015-04-23 (PCT/US2015/027381)
[87] (WO2016/171704)

[21] **2,983,580**
[13] A1
[51] **Int.Cl. G09F 9/30 (2006.01) G09G 5/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PROVIDING CONTENT BY USING DIGITAL SIGNAGE, AND NONTRANSITORY COMPUTER-READABLE RECORDING MEDIUM**
[54] **PROCEDE ET SYSTEME DE FOURNITURE DE CONTENU UTILISANT UNE SIGNALISATION NUMERIQUE, ET SUPPORT D'ENREGISTREMENT NON TRANSITOIRE LISIBLE PAR ORDINATEUR**
[72] KIM, JEUNG HO, KR
[71] KNOWCK CO., LTD., KR
[85] 2017-10-20
[86] 2015-11-30 (PCT/KR2015/012924)
[87] (WO2016/171360)
[30] KR (10-2015-0056504) 2015-04-22

---

[21] **2,983,581**
[13] A1
[51] **Int.Cl. B65H 3/08 (2006.01) B65G 59/10 (2006.01) B65H 5/14 (2006.01)**
[25] EN
[54] **APPARATUS FOR UNSTACKING PACKAGING UNITS**
[54] **APPAREIL POUR DESEMPILER DES UNITES D'EMBALLAGE**
[72] KNOOK, ARIE JAN THEODORUS, NL
[71] MOBA GROUP B.V., NL
[85] 2017-10-20
[86] 2016-04-25 (PCT/NL2016/050289)
[87] (WO2016/171561)
[30] EP (15001229.2) 2015-04-24

---

[21] **2,983,582**
[13] A1
[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/372 (2006.01) A61N 1/378 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MULTIMODAL ELECTRICAL MODULATION OF PAIN**
[54] **PROCEDE ET APPAREIL DESTINES A UNE MODULATION ELECTRIQUE MULTIMODALE DE LA DOULEUR**
[72] VALLEJO, RICARDO, US
[72] CEDENO, DAVID LEONARDO, US
[72] BENYAMIN, RASMIN M., US
[71] VALLEJO, RICARDO, US
[71] CEDENO, DAVID LEONARDO, US
[71] BENYAMIN, RASMIN M., US
[85] 2017-10-20
[86] 2016-03-21 (PCT/US2016/023365)
[87] (WO2016/154091)
[30] US (62/135,999) 2015-03-20
[30] US (62/196,030) 2015-07-23

---

[21] **2,983,583**
[13] A1
[51] **Int.Cl. C25C 3/08 (2006.01) C22B 21/00 (2006.01)**
[25] EN
[54] **ALUMINUM REDUCTION CELL ELECTRODE (VARIANTS)**
[54] **ELECTRODE POUR ELECTROLYSEUR D'ALUMINIUM (ET VARIANTES)**
[72] SIMAKOV, DMITRIY ALEKSANDROVICH, RU
[72] GUSEV, ALEKSANDR OLEGOVICH, RU
[71] OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR", RU
[85] 2017-10-20
[86] 2015-04-23 (PCT/RU2015/000264)
[87] (WO2016/171580)

---

[21] **2,983,585**
[13] A1
[51] **Int.Cl. H04L 12/44 (2006.01) H04B 10/29 (2013.01)**
[25] EN
[54] **OPTICAL SIGNAL REPEATER, OPTICAL COMMUNICATION SYSTEM, AND METHOD OF SWITCHING PORT IN OPTICAL SIGNAL REPEATER**
[54] **DISPOSITIF DE RELAIS DE SIGNAL OPTIQUE, SYSTEME DE COMMUNICATION OPTIQUE, ET PROCEDE DE COMMUTATION DE PORT DU DISPOSITIF DE RELAIS DE SIGNAL OPTIQUE**
[72] KIZAKI, NAOYA, JP
[72] YUDA, SHUITSU, JP
[72] GOTO, SHINYA, JP
[71] SUMITOMO ELECTRIC INDUSTRIES, LTD., JP
[85] 2017-10-20
[86] 2016-03-18 (PCT/JP2016/058754)
[87] (WO2017/158830)

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[21] **2,983,586**
[13] A1
[51] **Int.Cl. B65D 83/08 (2006.01) B65D 5/72 (2006.01)**
[25] EN
[54] **GLOVE DISPENSING ASSEMBLY**
[54] **ENSEMBLE DE DISTRIBUTION DE GANTS**
[72] MODHA, SHANTILAL HIRJIBHAI, US
[72] SAELIM, TANTIMA, US
[71] AVENT, INC., US
[85] 2017-10-20
[86] 2016-04-07 (PCT/US2016/026364)
[87] (WO2016/176016)
[30] US (62/155,238) 2015-04-30

[21] **2,983,587**
[13] A1
[51] **Int.Cl. B65D 83/08 (2006.01) B31B 50/26 (2017.01) B31B 50/60 (2017.01) B65D 5/72 (2006.01)**
[25] EN
[54] **GLOVE DISPENSING ASSEMBLY**
[54] **ENSEMBLE DE DISTRIBUTION DE GANTS**
[72] MODHA, SHANTILAL HIRJIBHAI, US
[72] SAELIM, TANTIMA, US
[72] LIEN, KHOA TUAN, US
[71] AVENT, INC., US
[85] 2017-10-20
[86] 2016-04-07 (PCT/US2016/026365)
[87] (WO2016/176017)
[30] US (62/155,238) 2015-04-30
[30] US (62/251,359) 2015-11-05

---

[21] **2,983,588**
[13] A1
[51] **Int.Cl. E01H 5/09 (2006.01)**
[25] EN
[54] **MULTIPLE-STAGE SNOW THROWER**
[54] **SOUFFLEUSE A NEIGE A ETAGES MULTIPLES**
[72] EAVENSON, JIMMY N., SR., US
[72] SCHAEDLER, AXEL, US
[71] MTD PRODUCTS INC., US
[85] 2017-10-20
[86] 2016-05-18 (PCT/US2016/033066)
[87] (WO2016/187292)
[30] US (62/164,655) 2015-05-21

---

[21] **2,983,589**
[13] A1
[51] **Int.Cl. A61M 5/315 (2006.01) A61B 5/153 (2006.01) A61M 5/178 (2006.01)**
[25] EN
[54] **SYRINGE WITH ROLLING DIAPHRAGM**
[54] **SERINGUE AVEC DIAPHRAGME ROULANT**
[72] BERRY, DAVID H., US
[72] GIBLER, MARTIN J., US
[72] KRUPP, BENJAMIN T., US
[72] DELBRUGGE, VINCE, US
[72] COWAN, KEVIN P., US
[72] SPOHN, MICHAEL, US
[71] BAYER HEALTHCARE LLC, US
[85] 2017-10-20
[86] 2016-04-22 (PCT/US2016/028824)
[87] (WO2016/172467)
[30] US (62/152,511) 2015-04-24
[30] US (62/257,053) 2015-11-18

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[21] **2,983,591**
[13] A1
[51] **Int.Cl. B65D 83/08 (2006.01) B31B 50/26 (2017.01) B65D 5/72 (2006.01)**
[25] EN
[54] **GLOVE DISPENSING ASSEMBLY**
[54] **ENSEMBLE DE DISTRIBUTION DE GANT**
[72] MODHA, SHANTILAL HIRJIBHAI, US
[72] SAELIM, TANTIMA, US
[72] LIEN, KHOA TUAN, US
[71] AVENT, INC., US
[85] 2017-10-20
[86] 2016-04-07 (PCT/US2016/026367)
[87] (WO2016/176018)
[30] US (62/155,238) 2015-04-30
[30] US (62/251,371) 2015-11-05

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[21] **2,983,592**
[13] A1
[51] **Int.Cl. C07D 307/00 (2006.01) C07D 307/56 (2006.01) C07D 307/60 (2006.01)**
[25] EN
[54] **METHODS FOR HYDRAULIC ENHANCEMENT OF CROPS**
[54] **PROCEDES DE STIMULATION HYDRAULIQUE DES CULTURES**
[72] BAYER, TRAVIS SCOTT, US
[72] DAVIDSON, ERIC ALAN, US
[72] HLEBA, YONEK, US
[71] ASILOMAR BIO, INC., US
[85] 2017-10-20
[86] 2016-04-23 (PCT/US2016/029080)
[87] (WO2016/172655)
[30] US (62/152,100) 2015-04-24
[30] US (62/152,555) 2015-04-24

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[21] **2,983,593**
[13] A1
[51] **Int.Cl. A61K 35/76 (2015.01) A61K 39/23 (2006.01) C12N 7/01 (2006.01) C12N 15/864 (2006.01)**
[25] EN
[54] **NUCLEIC ACID MOLECULES CONTAINING SPACERS AND METHODS OF USE THEREOF**
[54] **MOLECULES D'ACIDE NUCLEIQUE CONTENANT DES ESPACEURS ET LEURS PROCEDES D'UTILISATION**
[72] GRAY, JOHN T., US
[71] ST. JUDE CHILDREN'S RESEARCH HOSPITAL, INC., US
[85] 2017-10-20
[86] 2016-05-13 (PCT/US2016/032321)
[87] (WO2016/183422)
[30] US (62/161,505) 2015-05-14

---

[21] **2,983,594**
[13] A1
[51] **Int.Cl. A61J 3/00 (2006.01)**
[25] EN
[54] **COMPOUNDING DEVICE, SYSTEM, KIT, SOFTWARE AND METHOD**
[54] **DISPOSITIF, SYSTEME, KIT, LOGICIEL ET PROCEDE DE MELANGEAGE**
[72] BROWN, MICHAEL Y., US
[72] LANE, BENJAMIN R., US
[72] MUMPOWER, MARIANO, US
[71] B. BRAUN MEDICAL INC., US
[85] 2017-10-20
[86] 2016-05-19 (PCT/US2016/033318)
[87] (WO2016/191210)
[30] US (14/719,936) 2015-05-22

---

[21] **2,983,595**
[13] A1
[51] **Int.Cl. A01D 34/73 (2006.01) A01D 34/82 (2006.01)**
[25] EN
[54] **SELF-CLEANING MOWER BLADE ASSEMBLY**
[54] **ENSEMBLE LAME DE TONDEUSE A AUTO-NETTOYAGE**
[72] SCHAEDLER, AXEL, US
[71] MTD PRODUCTS INC., US
[85] 2017-10-20
[86] 2016-05-27 (PCT/US2016/034531)
[87] (WO2016/191636)
[30] US (62/167,043) 2015-05-27

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[21] **2,983,596**
[13] A1
[51] **Int.Cl. A01B 45/00 (2006.01)**
[25] EN
[54] **SOD POSITIONING MACHINE**
[54] **MACHINE DE POSITIONNEMENT DE GAZON**
[72] CARLSON, PAUL, US
[71] SIDEKICK USA, LLC, US
[85] 2017-10-20
[86] 2016-04-24 (PCT/US2016/029088)
[87] (WO2016/172662)
[30] US (14/695,406) 2015-04-24

[21] **2,983,597**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **COMBINING ANTI-HLA-DR OR ANTI-TROP-2 ANTIBODIES WITH MICROTUBULE INHIBITORS, PARP INHIBITORS, BRUTON KINASE INHIBITORS OR PHOSPHOINOSITIDE 3-KINASE INHIBITORS SIGNIFICANTLY IMPROVES THERAPEUTIC OUTCOME IN CANCER**
[54] **COMBINAISON D'ANTICORPS ANTI-HLA-DR OU ANTI-TROP-2 AVEC DES INHIBITEURS DE MICROTUBULE, DES INHIBITEURS DE PARP, DES INHIBITEURS DE KINASE DE BRUTON OU DES INHIBITEURS DE PHOSPHOINOSITIDE 3-KINASE AMELIORANT CONSIDERABLEMENT UN RESULTAT THERAPEUTIQUE DE CANCER**
[72] GOLDENBERG, DAVID M., US
[72] CARDILLO, THOMAS M., US
[71] IMMUNOMEDICS, INC., US
[85] 2017-10-20
[86] 2016-06-23 (PCT/US2016/038986)
[87] (WO2016/210108)
[30] US (62/184,331) 2015-06-25
[30] US (62/201,361) 2015-08-05
[30] US (62/250,715) 2015-11-04
[30] US (62/263,134) 2015-12-04
[30] US (15/069,208) 2016-03-14

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[21] **2,983,599**
[13] A1
[51] **Int.Cl. C09K 5/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING 1,1,2,2-TETRAFLUOROETHANE AND USES THEREOF**
[54] **COMPOSITIONS COMPRENANT DU 1,1,2,2-TETRAFLUORETHANE ET LEURS UTILISATIONS**
[72] KONTOMARIS, KONSTANTINOS, US
[72] NAPPA, MARIO JOSEPH, US
[72] SPOORMAKER, TOM (DECEASED), NL
[72] KRAUSE, KARL R., US
[72] SISK, MICHAEL A., US
[71] THE CHEMOURS COMPANY FC, LLC, US
[85] 2017-10-20
[86] 2016-04-25 (PCT/US2016/029104)
[87] (WO2016/178841)
[30] US (62/158,152) 2015-05-07

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[21] **2,983,600**
[13] A1
[51] **Int.Cl. A61K 31/4745 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **ANTIBODY-SN-38 IMMUNOCONJUGATES WITH A CL2A LINKER**
[54] **IMMUNOCONJUGUES D'ANTICORPS SN-38 AVEC UN LIEUR CL2A**
[72] GOVINDAN, SERENGULAM V., US
[72] GALE, JONATHAN B., US
[72] HOLMAN, NICHOLAS J., US
[72] GOLDENBERG, DAVID M., US
[71] IMMUNOMEDICS, INC., US
[85] 2017-10-20
[86] 2016-06-29 (PCT/US2016/040002)
[87] (WO2017/004144)
[30] US (14/789,375) 2015-07-01
[30] US (15/161,806) 2016-05-23

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[21] **2,983,601**
[13] A1
[51] **Int.Cl. H01M 4/1393 (2010.01) H01J 17/49 (2012.01) H01J 63/04 (2006.01)**
[25] EN
[54] **VERTICALLY ALIGNED CARBON NANOTUBE ARRAYS AS ELECTRODES**
[54] **RESEAUX DE NANOTUBES DE CARBONE ALIGNES VERTICALEMENT UTILISES EN TANT QU'ELECTRODES**
[72] TOUR, JAMES M., US
[72] RAJI, ABDUL-RAHMAN O., US
[72] SALVATIERRA, RODRIGO V., US
[71] WILLIAM MARSH RICE UNIVERSITY, US
[85] 2017-10-20
[86] 2016-04-25 (PCT/US2016/029184)
[87] (WO2017/011052)
[30] US (62/151,941) 2015-04-23

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[21] **2,983,602**
[13] A1
[51] **Int.Cl. E21B 47/06 (2012.01) G01K 3/10 (2006.01) G01K 17/08 (2006.01) G05B 19/404 (2006.01) G05D 23/30 (2006.01)**
[25] EN
[54] **ESTABLISHMENT OF CONTAMINANT DEGRADATION RATES IN SOILS USING TEMPERATURE GRADIENTS, ASSOCIATED METHODS, SYSTEMS AND DEVICES**
[54] **ETABLISSEMENT DE TAUX DE DEGRADATION DE CONTAMINANTS DANS DES SOLS EN UTILISANT DES GRADIENTS DE TEMPERATURE, ET PROCEDES, SYSTEMES ET DISPOSITIFS ASSOCIES**
[72] ZIMBRON, JULIO, US
[71] E-FLUX, LLC, US
[85] 2017-10-20
[86] 2016-04-25 (PCT/US2016/029225)
[87] (WO2016/172714)
[30] US (62/151,564) 2015-04-23

[21] **2,983,603**
[13] A1
[51] **Int.Cl. G10H 3/18 (2006.01) G10D 1/08 (2006.01)**
[25] EN
[54] **ELECTRIC STRINGED INSTRUMENTS**
[54] **INSTRUMENTS ELECTRIQUES A CORDES**
[72] MCAULD, DAVID, AU
[71] FUSION MUSICTECH IP PTY LTD, AU
[85] 2017-10-23
[86] 2016-04-22 (PCT/AU2016/000139)
[87] (WO2016/168887)
[30] AU (2015901461) 2015-04-23

[21] **2,983,604**
[13] A1
[51] **Int.Cl. H01M 4/139 (2010.01) H01M 4/1391 (2010.01) H01M 4/1393 (2010.01)**
[25] EN
[54] **METHOD FOR PREPARING NEGATIVE ELECTRODE MATERIAL OF LITHIUM-ION BATTERY BY USING BIOMASS GASIFICATION FURNACE FILTER RESIDUE**
[54] **PROCEDE DE PREPARATION DE MATERIAU D'ELECTRODE NEGATIVE DE BATTERIE AU LITHIUM-ION A L'AIDE DE RESIDU DE FILTRE DE FOUR DE GAZEIFICATION DE BIOMASSE**
[72] ZHOU, HUANHUAN, CN
[72] CHENG, YUTING, CN
[71] WUHAN KAIDI ENGINEERING TECHNOLOGY RESEARCH INSTITUTE CO., LTD., CN
[85] 2017-10-23
[86] 2016-04-15 (PCT/CN2016/079380)
[87] (WO2016/169436)
[30] CN (201510190215.9) 2015-04-21

[21] **2,983,605**
[13] A1
[51] **Int.Cl. F03G 3/00 (2006.01) F03B 17/04 (2006.01) F03G 7/10 (2006.01)**
[25] EN
[54] **ROTARY AIDED CONJUNCTIVE ENERGY SYSTEM**
[54] **SYSTEME D'ENERGIE CONJONCTIVE ASSISTEE PAR ROTATION**
[72] LOMERSON, ROBERT B., US
[71] LOMERSON, ROBERT B., US
[85] 2017-10-20
[86] 2016-04-25 (PCT/US2016/029255)
[87] (WO2016/172728)
[30] US (62/151,827) 2015-04-23

[21] **2,983,606**
[13] A1
[51] **Int.Cl. B62K 13/04 (2006.01) B62K 3/00 (2006.01) B62K 9/00 (2006.01) B62K 9/02 (2006.01) B62K 13/00 (2006.01)**
[25] EN
[54] **VEHICLE THAT IS CONVERTIBLE TO MULTIPLE CONFIGURATIONS**
[54] **VEHICULE CONVERTIBLE EN CONFIGURATIONS MULTIPLES**
[72] O CONNELL, THOMAS, IE
[72] GOLIAS, MATTHEW ERNEST, AU
[71] YVOLVE SPORTS LTD., IE
[85] 2017-10-23
[86] 2015-10-07 (PCT/EP2015/073177)
[87] (WO2016/055538)
[30] US (62/061,047) 2014-10-07
[30] CN (201410573748.0) 2014-10-23

[21] **2,983,607**
[13] A1
[51] **Int.Cl. B65D 83/08 (2006.01) B31B 50/60 (2017.01) B31B 50/74 (2017.01) B65D 5/72 (2006.01)**
[25] EN
[54] **GLOVE DISPENSING ASSEMBLY**
[54] **ENSEMBLE DISTRIBUTEUR DE GANTS**
[72] MODHA, SHANTILAL HIRJIBHAI, US
[72] SAELIM, TANTIMA, US
[72] LIEN, KHOA TUAN, US
[71] AVENT, INC., US
[85] 2017-10-20
[86] 2016-04-07 (PCT/US2016/026371)
[87] (WO2016/176019)
[30] US (62/155,238) 2015-04-30
[30] US (62/251,387) 2015-11-05

[21] **2,983,608**
[13] A1
[51] **Int.Cl. A01D 34/13 (2006.01) A01D 34/01 (2006.01) A01D 34/02 (2006.01)**
[25] EN
[54] **RECIPROCATING CUTTING BLADE WITH CLADDING**
[54] **LAME DE COUPE A MOUVEMENT DE VA-ET-VIENT DOTEE D'UN PLACAGE**
[72] STOFFEL, NEAL J., US
[72] JOHNSON, KEITH A., US
[71] KONDEX CORPORATION, US
[85] 2017-10-20
[86] 2016-04-18 (PCT/US2016/028105)
[87] (WO2016/172043)
[30] US (62/152,288) 2015-04-24
[30] US (15/057,740) 2016-03-01

[21] **2,983,609**
[13] A1
[51] **Int.Cl. C07J 9/00 (2006.01) A61K 9/14 (2006.01) A61K 9/20 (2006.01) A61K 31/575 (2006.01)**
[25] EN
[54] **COMPOSITIONS OF OBETICHOLIC ACID AND METHODS OF USE**
[54] **COMPOSITIONS D'ACIDE OBETICHOLIQUE ET PROCEDES D'UTILISATION**
[72] LANCASTER, RICHARD G., US
[72] OLMSTEAD, KAY K., US
[72] KAGIHIRO, MASASHI, JP
[72] TAOKA, IKUKO, JP
[72] MATONO, MITSUHIRO, JP
[72] PRUZANSKI, MARK, US
[72] SHAPIRO, DAVID, US
[72] HOOSHMAND-RAD, ROYA, US
[72] PENCEK, RICHARD, US
[72] SCIACCA, CATHI, US
[72] ELIOT, LISE, US
[72] EDWARDS, JEFFREY, US
[72] MACCONELL, LEIGH A., US
[72] MARMON, TONYA K., US
[71] INTERCEPT PHARMACEUTICALS, INC., US
[71] SUMITOMO DAINIPPON PHARMA CO., LTD., JP
[85] 2017-10-20
[86] 2016-04-26 (PCT/US2016/029369)
[87] (WO2016/176208)
[30] US (62/153,040) 2015-04-27
[30] US (62/317,933) 2016-04-04

[21] **2,983,612**
[13] A1
[51] **Int.Cl. A61B 17/12 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **MEDICAL IMPLANT FOR CLOSURE OF A DEFECT APERTURE, A VESSEL, AN ORGAN PATH OR ANOTHER APERTURE IN A HUMAN OR ANIMAL BODY**
[54] **IMPLANT MEDICAL POUR LA FERMETURE D'UNE OUVERTURE DEFECTUEUSE, D'UN VAISSEAU, D'UN CONDUIT D'ORGANE OU D'UNE AUTRE OUVERTURE DANS UN CORPS HUMAIN OU ANIMAL**
[72] SCHAFER, JOACHIM, DE
[71] PFM MEDICAL AG, DE
[85] 2017-10-23
[86] 2016-02-19 (PCT/EP2016/053547)
[87] (WO2016/169671)
[30] DE (20 2015 102 060.0) 2015-04-24

---

[21] **2,983,613**
[13] A1
[51] **Int.Cl. A43B 11/00 (2006.01) A61B 5/00 (2006.01) A61F 5/00 (2006.01) A61F 5/01 (2006.01) A61F 5/02 (2006.01) A61F 5/052 (2006.01)**
[25] EN
[54] **SENSOR AND FEEDBACK PLATFORM FOR USE IN ORTHOTIC AND PROSTHETIC DEVICES**
[54] **CAPTEUR ET PLATE-FORME DE RETROACTION POUR UNE UTILISATION DANS DES DISPOSITIFS D'ORTHESE ET DE PROTHESE**
[72] DELUKE, LEVI, US
[72] SU, ELLEN, US
[72] MONZON, SEBASTIAN, US
[71] WELLINKS, INC., US
[85] 2017-10-20
[86] 2016-04-29 (PCT/US2016/030005)
[87] (WO2016/176544)
[30] US (62/154,393) 2015-04-29
[30] US (62/272,141) 2015-12-29

---

[21] **2,983,614**
[13] A1
[51] **Int.Cl. B02C 7/12 (2006.01)**
[25] EN
[54] **TREATMENT FITTING FOR THE TREATMENT OF AQUEOUSLY SUSPENDED FIBROUS MATERIAL**
[54] **MONTURE DE TRAITEMENT POUR LE TRAITEMENT D'UNE MATIERE FIBREUSE EN SUSPENSION AQUEUSE**
[72] SCHMID, MARTIN, DE
[72] HECHT, JUTTA, DE
[71] VOITH PATENT GMBH, DE
[85] 2017-10-23
[86] 2016-02-22 (PCT/EP2016/053640)
[87] (WO2016/169672)
[30] DE (102015207536.2) 2015-04-24

---

[21] **2,983,615**
[13] A1
[51] **Int.Cl. A61M 39/16 (2006.01) A61M 39/20 (2006.01)**
[25] EN
[54] **A THREADED CONNECTOR PORT CLEANING SYSTEM, METHOD, AND APPARATUS**
[54] **SYSTEME, PROCEDE ET APPAREIL DE NETTOYAGE D'ORIFICE DE RACCORD FILETE**
[72] NORDQUIST, JEFFREY S., US
[72] KOELPER, CRYSTAL, US
[72] PURNELL, SHAWN, US
[72] MCVEY, ROBERT, US
[71] CORPAK MEDSYSTEMS, INC., US
[85] 2017-10-20
[86] 2016-05-05 (PCT/US2016/030942)
[87] (WO2016/179368)
[30] US (62/157,223) 2015-05-05

---

[21] **2,983,616**
[13] A1
[51] **Int.Cl. B63B 35/00 (2006.01) F03D 13/25 (2016.01) B63B 22/20 (2006.01) B63B 39/03 (2006.01) B63B 43/06 (2006.01)**
[25] EN
[54] **HULL FOR A FLOATING WIND TURBINE PLATFORM**
[54] **COQUE POUR PLATE-FORME DE TURBINE EOLIENNE FLOTTANTE**
[72] DAGHER, HABIB J., US
[72] VISELLI, ANTHONY M., US
[72] DWYER, MARK, US
[71] UNIVERSITY OF MAINE SYSTEM BOARD OF TRUSTEES, US
[85] 2017-10-20
[86] 2016-04-20 (PCT/US2016/028358)
[87] (WO2016/172149)
[30] US (62/149,947) 2015-04-20

---

[21] **2,983,618**
[13] A1
[51] **Int.Cl. G06Q 20/10 (2012.01) G06Q 20/20 (2012.01) G06Q 20/34 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR TRANSFERRING FUNDS DATA**
[54] **PROCEDE ET SYSTEME POUR TRANSFERER DES DONNEES DE FONDS**
[72] DERMOSESSIAN, GARO, CA
[72] DERMOSESSIAN, RAPHAEL, CA
[72] DERMOSESSIAN, ALEX, CA
[71] PLEMICOR HOLDINGS CANADA INC., CA
[85] 2017-10-23
[86] 2015-04-22 (PCT/CA2015/000266)
[87] (WO2015/161358)
[30] US (61/982,391) 2014-04-22
[30] US (14/308,089) 2014-06-18

[21] **2,983,619**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2006.01) C12N 15/10 (2006.01) G01N 1/40 (2006.01)**
[25] EN
[54] **METHOD AND TEST KIT FOR RAPID ISOLATION OF NUCLEIC ACIDS USING ROUGH SURFACES**
[54] **PROCEDE ET KIT D'ESSAI POUR L'ISOLATION RAPIDE D'ACIDES NUCLEIQUES AU MOYEN DE SURFACES RUGUEUSES**
[72] HILLEBRAND, TIMO, DE
[72] STROH, THORSTEN, DE
[71] AJ INNUSCREEN GMBH, DE
[85] 2017-10-23
[86] 2016-02-26 (PCT/EP2016/054178)
[87] (WO2016/169677)
[30] DE (10 2015 207 481.1) 2015-04-23
[30] DE (10 2015 211 393.0) 2015-06-19
[30] DE (10 2015 211 394.0) 2015-06-19

[21] **2,983,620**
[13] A1
[51] **Int.Cl. C07K 14/24 (2006.01) C12N 15/55 (2006.01) C12P 37/02 (2006.01)**
[25] EN
[54] **PENICILLIN-G ACYLASES**
[54] **PENICILLINE G ACYLASES**
[72] BANERJEE, GOUTAMI, US
[72] YANG, JIE, US
[72] ZHANG, XIYUN, US
[72] MILCZEK, ERIKA M., US
[72] MAYO, MELISSA ANN, US
[72] JENNE, STEPHAN, US
[71] CODEXIS, INC., US
[85] 2017-10-20
[86] 2016-05-06 (PCT/US2016/031132)
[87] (WO2016/179464)
[30] US (62/158,118) 2015-05-07

[21] **2,983,621**
[13] A1
[51] **Int.Cl. G08B 13/24 (2006.01) G06K 7/10 (2006.01) G06Q 10/00 (2012.01) H04B 5/00 (2006.01)**
[25] EN
[54] **METHODS, DEVICES, KITS AND SYSTEMS FOR MODULATING ACTIVATION OF SELF-ALARMING TAGS**
[54] **PROCEDES, DISPOSITIFS, NECESSAIRES ET SYSTEMES DE MODULATION D'ACTIVATION D'ETIQUETTES A ALARME AUTOMATIQUE**
[72] SALVO, GIOVANNI, CA
[71] SALVO, GIOVANNI, CA
[85] 2017-10-23
[86] 2015-04-23 (PCT/CA2015/000267)
[87] (WO2015/161359)
[30] US (61/983,383) 2014-04-23

[21] **2,983,622**
[13] A1
[51] **Int.Cl. A01N 1/02 (2006.01) B65D 81/38 (2006.01)**
[25] EN
[54] **MEDICAL SAMPLE TRANSPORTATION CONTAINER**
[54] **RECIPIENT DE TRANSPORT D'ECHANTILLON MEDICAL**
[72] JARVIUS, JONAS, SE
[72] LIND, ANDERS, SE
[72] SODERSTROM, HENRIK, SE
[72] GRAWE, JAN, SE
[72] FITZPATRICK, IAN, AU
[72] BARTHOLDI, JURG, US
[71] Q-LINEA AB, SE
[85] 2017-10-23
[86] 2016-04-21 (PCT/EP2016/058952)
[87] (WO2016/170086)
[30] GB (1507026.1) 2015-04-24

[21] **2,983,623**
[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) G01N 1/40 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR EXTRACTION OF NUCLEIC ACIDS**
[54] **PROCEDE ET DISPOSITIF D'EXTRACTION D'ACIDES NUCLEIQUES**
[72] HILLEBRAND, TIMO, DE
[72] STROH, THORSTEN, DE
[71] AJ INNUSCREEN GMBH, DE
[85] 2017-10-23
[86] 2016-02-26 (PCT/EP2016/054179)
[87] (WO2016/169678)
[30] DE (10 2015 207 481.1) 2015-04-23
[30] DE (10 2015 211 393.0) 2015-06-19
[30] DE (10 2015 211 394.0) 2015-06-19

[21] **2,983,624**
[13] A1
[51] **Int.Cl. E21B 43/22 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **METHODS FOR MICROBIALLY ENHANCED RECOVERY OF HYDROCARBONS**
[54] **PROCEDES POUR LA RECUPERATION D'HYDROCARBURES AMELIOREE PAR VOIE MICROBIENNE**
[72] VOORDOUW, GERRIT, CA
[72] GASSARA, FATMA, CA
[72] AGRAWAL, AKHIL, IN
[71] UTI LIMITED PARTNERSHIP, CA
[85] 2017-10-23
[86] 2016-04-22 (PCT/CA2016/050468)
[87] (WO2016/168937)
[30] IN (1645/MUM/2015) 2015-04-23
[30] US (62/173,459) 2015-06-10

[21] **2,983,626**
[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) B01L 3/00 (2006.01) B01L 3/02 (2006.01) G01N 1/40 (2006.01)**
[25] EN
[54] **DEVICE AND PROCESS FOR AUTOMATED EXTRACTION OF NUCLEIC ACIDS**
[54] **DISPOSITIF ET PROCEDE PERMETTANT L'EXTRACTION AUTOMATISEE D'ACIDES NUCLEIQUES**
[72] HILLEBRAND, TIMO, DE
[72] STROH, THORSTEN, DE
[71] AJ INNUSCREEN GMBH, DE
[85] 2017-10-23
[86] 2016-02-26 (PCT/EP2016/054180)
[87] (WO2016/169679)
[30] DE (10 2015 207 481.1) 2015-04-23
[30] DE (10 2015 211 393.0) 2015-06-19
[30] DE (10 2015 211 394.0) 2015-06-19

---

[21] **2,983,628**
[13] A1
[51] **Int.Cl. B04B 1/08 (2006.01) B04B 1/10 (2006.01) B04B 11/02 (2006.01) B04B 13/00 (2006.01)**
[25] EN
[54] **CENTRIFUGAL SEPARATOR AND THERETO RELATED METHODS**
[54] **SEPARATEUR CENTRIFUGE ET PROCEDES ASSOCIES**
[72] BORGSTROM, LEONARD, SE
[72] THORWID, PETER, SE
[71] ALFA LAVAL CORPORATE AB, SE
[85] 2017-10-23
[86] 2016-04-22 (PCT/EP2016/058962)
[87] (WO2016/170091)
[30] EP (15165031.4) 2015-04-24

---

[21] **2,983,630**
[13] A1
[51] **Int.Cl. B65G 1/04 (2006.01)**
[25] EN
[54] **STORAGE AND RETRIEVAL SYSTEM**
[54] **SYSTEME DE STOCKAGE ET DE RECUPERATION**
[72] GRAVELLE, SCOTT, CA
[72] COWLEY, ROBERT GUY, CA
[72] WOOLF, ANTHONY BRIAN, CA
[71] ATTABOTICS INC., CA
[85] 2017-10-23
[86] 2016-04-26 (PCT/CA2016/050484)
[87] (WO2016/172793)
[30] US (62/153,189) 2015-04-27

---

[21] **2,983,631**
[13] A1
[51] **Int.Cl. F16J 15/40 (2006.01) F16C 33/80 (2006.01) F16J 15/447 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD TO REDUCE THE LOSS OF LUBRICANT AT BEARINGS**
[54] **DISPOSITIF ET PROCEDE PERMETTANT DE REDUIRE DES FUITES DE LUBRIFIANT AU NIVEAU DE PALIERS**
[72] CONTRERAS ESPADA, JESUS, CH
[72] OKAI, RICARDO-NAOKI, CH
[72] SCHOFER, SVEN, CH
[72] NEFF, UELI, CH
[71] ANDRITZ HYDRO GMBH, AT
[85] 2017-10-23
[86] 2016-04-13 (PCT/EP2016/058111)
[87] (WO2016/173842)
[30] AT (A50340/2015) 2015-04-27

---

[21] **2,983,632**
[13] A1
[51] **Int.Cl. B65D 5/52 (2006.01) B31B 50/60 (2017.01) B31B 50/74 (2017.01) B65D 5/32 (2006.01) B65D 5/54 (2006.01)**
[25] EN
[54] **DISPLAY-READY RETAIL CASE WITH DIVIDE**
[54] **BOITIER DE VENTE AU DETAIL PRET A ETRE EXPOSE AVEC PARTAGE**
[72] KEEDER, KAREN, US
[71] KELLOGG COMPANY, US
[85] 2017-10-20
[86] 2016-05-10 (PCT/US2016/031641)
[87] (WO2016/183077)
[30] US (62/159,604) 2015-05-11

---

[21] **2,983,634**
[13] A1
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/48 (2006.01) A61K 31/167 (2006.01) A61K 31/485 (2006.01)**
[25] EN
[54] **TAMPER-RESISTANT FIXED DOSE COMBINATION PROVIDING FAST RELEASE OF TWO DRUGS FROM PARTICLES**
[54] **COMBINAISON INVIOLABLE DE DOSES FIXES PERMETTANT LA LIBERATION RAPIDE DE DEUX MEDICAMENTS A PARTIR DE PARTICULES**
[72] WENING, KLAUS, DE
[72] BARNSCHEID, LUTZ, DE
[72] GEISSLER, ANJA, DE
[72] DENKER, JANA, DE
[72] REDMER, JESSICA, DE
[71] GRUNENTHAL GMBH, DE
[85] 2017-10-23
[86] 2016-04-22 (PCT/EP2016/058978)
[87] (WO2016/170094)
[30] EP (15165069.4) 2015-04-24

---

[21] **2,983,636**
[13] A1
[51] **Int.Cl. C07K 14/195 (2006.01) C07K 14/405 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **MICROORGANISMS WITH INCREASED PHOTOSYNTHETIC CAPACITY**
[54] **MICROORGANISMES A CAPACITE PHOTOSYNTHETIQUE ACCRUE**
[72] ROBERTS, JAMES, US
[72] CARRIERI, DAMIAN, US
[72] HEINNICKEL, MARK, US
[71] MATRIX GENETICS, LLC, US
[85] 2017-10-20
[86] 2016-04-22 (PCT/US2016/028785)
[87] (WO2016/172438)
[30] US (62/152,506) 2015-04-24

[21] **2,983,637**
[13] A1
[51] **Int.Cl. E04B 9/20 (2006.01) E04B 9/36 (2006.01) F16G 11/04 (2006.01)**
[25] EN
[54] **MOUNTING APPARATUS FOR SUSPENDED CEILING SYSTEM**
[54] **APPAREIL DE MONTAGE POUR SYSTEME DE PLAFOND SUSPENDU**
[72] VAN DORE, JONATHAN P., US
[72] HANUSCHAK, RYAN D., US
[71] ARMSTRONG WORLD INDUSTRIES, INC., US
[85] 2017-10-20
[86] 2016-05-12 (PCT/US2016/031975)
[87] (WO2016/183267)
[30] US (14/710,731) 2015-05-13

[21] **2,983,638**
[13] A1
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/48 (2006.01) A61K 31/167 (2006.01) A61K 31/485 (2006.01)**
[25] EN
[54] **TAMPER-RESISTANT FIXED DOSE COMBINATION PROVIDING FAST RELEASE OF TWO DRUGS FROM PARTICLES AND A POWDER**
[54] **COMBINAISON DE DOSE FIXE INVIOLABLE PERMETTANT LA LIBERATION RAPIDE DE DEUX MEDICAMENTS A PARTIR DE PARTICULES ET D'UNE POUDRE**
[72] WENING, KLAUS, DE
[72] BARNSCHEID, LUTZ, DE
[72] GEISSLER, ANJA, DE
[72] DENKER, JANA, DE
[72] REDMER, JESSICA, DE
[71] GRUNENTHAL GMBH, DE
[85] 2017-10-23
[86] 2016-04-22 (PCT/EP2016/058979)
[87] (WO2016/170095)
[30] EP (15165067.8) 2015-04-24

[21] **2,983,639**
[13] A1
[51] **Int.Cl. B01D 17/02 (2006.01) B65D 88/34 (2006.01) C02F 1/40 (2006.01) E03F 7/02 (2006.01)**
[25] EN
[54] **OIL MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE D'HYDROCARBURES**
[72] RAUCH, MARK S., US
[72] KLEINEKE, RONALD, US
[71] RAUCH, MARK S., US
[71] KLEINEKE, RONALD, US
[85] 2017-10-20
[86] 2016-04-22 (PCT/US2016/028812)
[87] (WO2016/172458)
[30] US (62/151,194) 2015-04-22
[30] US (62/174,423) 2015-06-11
[30] US (62/235,135) 2015-09-30
[30] US (62/259,947) 2015-11-25

[21] **2,983,640**
[13] A1
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/48 (2006.01) A61K 31/167 (2006.01) A61K 31/485 (2006.01)**
[25] EN
[54] **TAMPER-RESISTANT FIXED DOSE COMBINATION PROVIDING FAST RELEASE OF TWO DRUGS FROM DIFFERENT PARTICLES**
[54] **COMBINAISON INVIOLABLE DE DOSES FIXES PERMETTANT LA LIBERATION RAPIDE DE DEUX MEDICAMENTS A PARTIR DE PARTICULES DIFFERENTES**
[72] WENING, KLAUS, DE
[72] BARNSCHEID, LUTZ, DE
[72] GEISSLER, ANJA, DE
[72] DENKER, JANA, DE
[72] REDMER, JESSICA, DE
[71] GRUNENTHAL GMBH, DE
[85] 2017-10-23
[86] 2016-04-22 (PCT/EP2016/058980)
[87] (WO2016/170096)
[30] EP (15165065.2) 2015-04-24

[21] **2,983,641**
[13] A1
[51] **Int.Cl. A61F 2/64 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING A DAMPING MODIFICATION**
[54] **PROCEDE DE CONTROLE D'UN CHANGEMENT D'AMORTISSEMENT**
[72] SEIFERT, DIRK, AT
[72] PAWLIK, ROLAND, AT
[72] SEYR, MARTIN, AT
[71] OTTO BOCK HEALTHCARE PRODUCTS GMBH, AT
[85] 2017-10-23
[86] 2016-04-15 (PCT/EP2016/058343)
[87] (WO2016/169848)
[30] DE (10 2015 106 390.5) 2015-04-24

[21] **2,983,642**
[13] A1
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 31/485 (2006.01)**
[25] EN
[54] **TAMPER-RESISTANT DOSAGE FORM WITH IMMEDIATE RELEASE AND RESISTANCE AGAINST SOLVENT EXTRACTION**
[54] **FORME GALENIQUE INVIOLABLE AVEC LIBERATION IMMEDIATE ET RESISTANCE A L'EXTRACTION PAR SOLVANT.**
[72] WENING, KLAUS, DE
[72] GEISSLER, ANJA, DE
[72] DENKER, JANA, DE
[72] BARNSCHEID, LUTZ, DE
[71] GRUNENTHAL GMBH, DE
[85] 2017-10-23
[86] 2016-04-22 (PCT/EP2016/058981)
[87] (WO2016/170097)
[30] EP (15165064.5) 2015-04-24

[21] **2,983,643**
[13] A1
[51] **Int.Cl. A61M 35/00 (2006.01) A61F 9/00 (2006.01) A61J 1/06 (2006.01) A61J 1/14 (2006.01)**
[25] EN
[54] **DUAL CHAMBER DISPENSING DEVICE**
[54] **DISPOSITIF DE DISTRIBUTION A DOUBLE COMPARTIMENT**
[72] COPLAND, IAN B. (DECEASED), US
[72] REAVIS, ASHLEY, US
[72] BUTTS, EMILY, US
[72] CASOLA, MARISA, US
[72] PATEL, NIHIR, US
[71] CAMBIUM MEDICAL TECHNOLOGIES LLC, US
[85] 2017-10-20
[86] 2016-04-22 (PCT/US2016/028866)
[87] (WO2016/172497)
[30] US (62/151,838) 2015-04-23

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[21] **2,983,644**
[13] A1
[51] **Int.Cl. C09D 5/18 (2006.01) C09D 163/00 (2006.01)**
[25] EN
[54] **AN INTUMESCENT COATING COMPOSITION**
[54] **COMPOSITION DE REVETEMENT INTUMESCENTE**
[72] PESKENS, RONNIE, NL
[72] DE BOER, THOMAS, NL
[71] PPG COATINGS EUROPE B.V., NL
[85] 2017-10-23
[86] 2016-04-22 (PCT/EP2016/059023)
[87] (WO2016/170122)
[30] EP (15165120.5) 2015-04-24

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[21] **2,983,645**
[13] A1
[51] **Int.Cl. C02F 1/04 (2006.01) B01D 61/36 (2006.01) B01D 63/08 (2006.01) B01D 69/06 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ADVANCED VACUUM MEMBRANE DISTILLATION**
[54] **PROCEDE ET APPAREIL S'APPLIQUANT A LA DISTILLATION MEMBRANAIRE SOUS VIDE PERFECTIONNEE**
[72] CHIDAMBARAN, RAVI, US
[72] RAINA, PAVAN, IN
[72] BISHT, NARENDRA SINGH, IN
[72] BHINGE, SANTOSH VENKATESH, IN
[71] AQUATECH INTERNATIONAL, LLC, US
[85] 2017-10-20
[86] 2016-04-22 (PCT/US2016/028927)
[87] (WO2016/172539)
[30] IN (1129/DEL/2015) 2015-04-23
[30] US (62/191,720) 2015-07-13

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[21] **2,983,646**
[13] A1
[51] **Int.Cl. A61F 2/64 (2006.01) A61F 2/66 (2006.01) A61F 2/68 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING A CHANGE OF DAMPING IN AN ARTIFICIAL JOINT**
[54] **PROCEDE POUR CONTROLER UN CHANGEMENT D'AMORTISSEMENT D'UNE PROTHESE ARTICULAIRE**
[72] SEIFERT, DIRK, AT
[71] OTTO BOCK HEALTHCARE PRODUCTS GMBH, AT
[85] 2017-10-23
[86] 2016-04-15 (PCT/EP2016/058356)
[87] (WO2016/169850)
[30] DE (10 2015 106 384.0) 2015-04-24

---

[21] **2,983,647**
[13] A1
[51] **Int.Cl. A61M 5/34 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **SYRINGE WITH HIGH SAFETY IN USE**
[54] **SERINGUE PRESENTANT UNE SECURITE ELEVEE LORS DE L'UTILISATION**
[72] GIUBERCHIO, CARLO, IT
[71] GIUBERCHIO, CARLO, IT
[71] MARCHIONNI, MARCO, GB
[85] 2017-10-23
[86] 2016-04-22 (PCT/EP2016/059071)
[87] (WO2016/170150)
[30] IT (MI2015A000587) 2015-04-24

---

[21] **2,983,648**
[13] A1
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/48 (2006.01) A61K 31/167 (2006.01) A61K 31/485 (2006.01)**
[25] EN
[54] **TAMPER-RESISTANT FIXED DOSE COMBINATION PROVIDING FAST RELEASE OF TWO DRUGS FROM PARTICLES AND A MATRIX**
[54] **COMBINAISON A DOSE FIXE INALTERABLE PRESENTANT UNE LIBERATION RAPIDE DE DEUX MEDICAMENTS DE PARTICULES ET D'UNE MATRICE**
[72] WENING, KLAUS, DE
[72] BARNSCHEID, LUTZ, DE
[72] GEISSLER, ANJA, DE
[72] DENKER, JANA, DE
[72] REDMER, JESSICA, DE
[71] GRUNENTHAL GMBH, DE
[85] 2017-10-23
[86] 2016-04-22 (PCT/EP2016/058977)
[87] (WO2016/170093)
[30] EP (15165070.2) 2015-04-24

Demandes PCT entrant en phase nationale

[21] **2,983,649**
[13] A1
[51] **Int.Cl. A61F 2/64 (2006.01) A61F 2/68 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING THE STANDING-PHASE DAMPING OF AN ARTIFICIAL KNEE JOINT**
[54] **PROCEDE POUR CONTROLER L'AMORTISSEMENT DE LA PHASE D'APPUI D'UNE PROTHESE DU GENOU**
[72] SEIFERT, DIRK, AT
[72] ZARLING, SVEN, DE
[71] OTTO BOCK HEALTHCARE PRODUCTS GMBH, AT
[85] 2017-10-23
[86] 2016-04-15 (PCT/EP2016/058394)
[87] (WO2016/169853)
[30] DE (10 2015 106 392.1) 2015-04-24

---

[21] **2,983,650**
[13] A1
[51] **Int.Cl. A61F 2/40 (2006.01)**
[25] EN
[54] **PATIENT-SPECIFIC AUGMENTED GLENOID SYSTEMS**
[54] **SYSTEMES GLENOIDES AUGMENTES SPECIFIQUES AU PATIENT**
[72] KOVACS, MICHAEL FRANCIS, US
[72] GULOTTA, LAWRENCE, US
[72] VANASSE, THOMAS M., US
[71] BIOMET MANUFACTURING, LLC, US
[85] 2017-10-20
[86] 2016-04-22 (PCT/US2016/028972)
[87] (WO2016/172572)
[30] US (62/152,304) 2015-04-24

---

[21] **2,983,651**
[13] A1
[51] **Int.Cl. A61K 31/30 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **ANTIBACTERIAL COMPOSITIONS COMPRISING COPPER OXO-HYDROXIDE NANOPARTICLES AND THEIR USES AS BIOCIDAL AGENTS**
[54] **COMPOSITIONS ANTIBACTERIENNES COMPRENANT DES NANOPARTICULES D'OXO-HYDROXYDE DE CUIVRE ET LEURS UTILISATIONS COMME BIOCIDES**
[72] BASTOS, CARLOS ANDRE PASSOS, GB
[72] BRUGGRABER, SYLVAINE FRANCOISE ALINE, GB
[72] FARIA, NUNO JORGE RODRIGUES, GB
[72] POWELL, JONATHAN JOSEPH, GB
[71] MEDICAL RESEARCH COUNCIL, GB
[85] 2017-10-23
[86] 2016-04-22 (PCT/EP2016/059074)
[87] (WO2016/170152)
[30] GB (1507002.2) 2015-04-24

---

[21] **2,983,652**
[13] A1
[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/05 (2006.01)**
[25] EN
[54] **NEUROMODULATION DEVICE**
[54] **DISPOSITIF DE NEUROMODULATION**
[72] CHEW, DANIEL JOHN, GB
[72] DE JONGE, WOUTER JACOB, NL
[72] FAMM, HANS JAKOB KRISTOFFER, GB
[72] PATEL, SONAL, CH
[72] WELTING, OLAF, NL
[71] GALVANI BIOELECTRONICS LIMITED, GB
[71] ACADEMISCH MEDISCH CENTRUM, NL
[85] 2017-10-23
[86] 2016-04-22 (PCT/IB2016/052307)
[87] (WO2016/170510)
[30] US (62/152,119) 2015-04-24

---

[21] **2,983,653**
[13] A1
[51] **Int.Cl. B65D 25/10 (2006.01) B65D 43/16 (2006.01) B65D 43/22 (2006.01)**
[25] EN
[54] **PACKAGING CONTAINER HAVING A SECURE CLOSURE MECHANISM**
[54] **RECIPIENT D'EMBALLAGE AYANT UN MECANISME DE FERMETURE SECURISEE**
[72] BAKER, JAY, US
[71] BAKER, JAY, US
[85] 2017-10-20
[86] 2016-04-22 (PCT/US2016/028996)
[87] (WO2016/172592)
[30] US (14/693,293) 2015-04-22

---

[21] **2,983,654**
[13] A1
[51] **Int.Cl. B60R 11/04 (2006.01) B60W 30/00 (2006.01) G06T 3/40 (2006.01) G06T 11/60 (2006.01)**
[25] EN
[54] **IMAGE SYNTHESIZER FOR A DRIVER ASSISTING SYSTEM**
[54] **DISPOSITIF DE SYNTHESE D'IMAGE DESTINE A UN SYSTEME D'AIDE AU CONDUCTEUR**
[72] GYORI, MARTON, HU
[72] NEMETH, HUBA, HU
[71] KNORR-BREMSE SYSTEME FUR NUTZFAHRZEUGE GMBH, DE
[85] 2017-10-23
[86] 2016-04-22 (PCT/EP2016/059092)
[87] (WO2016/170164)
[30] EP (15164945.6) 2015-04-24

---

[21] **2,983,655**
[13] A1
[51] **Int.Cl. B06B 3/04 (2006.01) B06B 1/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR GENERATING MECHANICAL PULSES**
[54] **PROCEDE ET SYSTEME POUR GENERER DES IMPULSIONS MECANIQUES**
[72] BROUILLETTE, MARTIN, CA
[72] DION, STEVEN, CA
[72] RIEL, LOUIS-PHILIPE, CA
[71] LES SOLUTIONS MEDICALES SOUNDBITE INC., CA
[85] 2017-10-23
[86] 2016-04-25 (PCT/IB2016/052339)
[87] (WO2016/170520)
[30] US (62/152,332) 2015-04-24

[21] **2,983,656**
[13] A1
[51] **Int.Cl. H04N 5/74 (2006.01) H01L 33/06 (2010.01) B82Y 20/00 (2011.01) G03B 21/606 (2014.01) G03B 35/00 (2006.01) G03B 35/16 (2006.01)**
[25] FR
[54] **HYBRID NANOCOMPOSITE MATERIALS, LASER SCANNING SYSTEM AND USE THEREOF IN VOLUMETRIC IMAGE PROJECTION**
[54] **MATERIAUX NANOCOMPOSITES HYBRIDES, SYSTEME DE BALAYAGE LASER, ET LEUR APPLICATION EN PROJECTION D'IMAGERIE VOLUMETRIQUE**
[72] ALLEN, CLAUDINE, CA
[72] THIBAULT, SIMON, CA
[72] TALBOT-LANCIAULT, ALICIA, CA
[72] BLAIS, PHILIPPE, CA
[72] ST-ONGE, GUILLAUME, CA
[72] DESAULNIERS, PIERRE, CA
[71] PRODUCTION ELEKTRATEK INC., CA
[85] 2017-10-20
[86] 2016-04-21 (PCT/CA2016/050466)
[87] (WO2016/168936)
[30] CA (2,889,103) 2015-04-21

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[21] **2,983,657**
[13] A1
[51] **Int.Cl. A63F 3/06 (2006.01)**
[25] EN
[54] **MULTI-GAME LOTTERY TICKET ASSEMBLY AND ASSOCIATED METHOD FOR MAKING**
[54] **ENSEMBLE TICKET DE LOTERIE A JEUX MULTIPLES ET PROCEDE ASSOCIE DE FABRICATION**
[72] GRATTON, STEPHANE, CA
[72] EBACHER, MARIO, CA
[72] LATREILLE, VALERIE, CA
[72] BOUCHER, GINO, CA
[72] BEDARD, MARC, CA
[72] LEBRUN, CLAUDIA, CA
[71] SCIENTIFIC GAMES HOLDINGS LIMITED, IE
[85] 2017-10-23
[86] 2016-05-26 (PCT/IB2016/053096)
[87] (WO2016/189493)
[30] US (14/723,606) 2015-05-28

---

[21] **2,983,658**
[13] A1
[51] **Int.Cl. C10L 1/18 (2006.01) C10L 10/12 (2006.01)**
[25] EN
[54] **USE OF A FUEL ADDITIVE IN DIESEL FUEL FOR REMOVING DEPOSITS IN A DIESEL ENGINE**
[54] **UTILISATION D'UN ADDITIF POUR CARBURANT DANS UN CARBURANT DIESEL AFIN D'ELIMINER DES DEPOTS DANS UN MOTEUR DIESEL**
[72] VOLPERT, EDGAR, DE
[72] BATSON, WILLIAM A., US
[71] UNITED INITIATORS GMBH, DE
[85] 2017-10-23
[86] 2016-04-28 (PCT/EP2016/059567)
[87] (WO2016/174178)
[30] EP (15165435.7) 2015-04-28

---

[21] **2,983,660**
[13] A1
[51] **Int.Cl. E21B 34/06 (2006.01) E21B 21/10 (2006.01) E21B 43/114 (2006.01)**
[25] EN
[54] **MULTI-CYCLE CIRCULATING VALVE ASSEMBLY**
[54] **ENSEMBLE DE VANNES DE CIRCULATION A CYCLES MULTIPLES**
[72] MANKE, KEVIN R., US
[72] SCHULTZ, ROGER L., US
[71] THRU TUBING SOLUTIONS, INC., US
[85] 2017-10-23
[86] 2015-05-06 (PCT/US2015/029399)
[87] (WO2016/178677)

---

[21] **2,983,661**
[13] A1
[51] **Int.Cl. B60J 10/74 (2016.01) B60J 10/79 (2016.01) B60J 10/88 (2016.01)**
[25] FR
[54] **RUN SEAL FOR VEHICLE WINDOW AND SEALING MODULE INCORPORATING MEANS FOR GUIDING THE WINDOW IN THE SEAL AND AN ELEMENT OF THE DOOR FRAME**
[54] **JOINT DE COULISSE POUR VITRAGE DE VEHICULE ET MODULE D'ETANCHEITE INCORPORANT DES MOYENS DE GUIDAGE DU VITRAGE DANS LE JOINT ET UN ELEMENT DU CADRE DE PORTE**
[72] BLOTTIAU, OLIVIER, FR
[71] HUTCHINSON, FR
[85] 2017-10-23
[86] 2015-04-28 (PCT/FR2015/051147)
[87] (WO2016/174315)

---

[21] **2,983,662**
[13] A1
[51] **Int.Cl. E21B 7/06 (2006.01) E21B 47/13 (2012.01) E21B 4/02 (2006.01) E21B 44/00 (2006.01) E21B 47/024 (2006.01) E21B 47/09 (2012.01) G06K 7/10 (2006.01) G06K 19/07 (2006.01)**
[25] EN
[54] **DRIVE SHAFT ACTUATION USING RADIO FREQUENCY IDENTIFICATION**
[54] **ACTIONNEMENT D'ARBRE D'ENTRAINEMENT PAR IDENTIFICATION PAR RADIOFREQUENCE**
[72] GHARIB, HOSSAM MOHAMED, CA
[72] SAMUEL, GEOFFREY ANDREW, CA
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-10-23
[86] 2015-06-17 (PCT/US2015/036296)
[87] (WO2016/204756)

[21] **2,983,663**
[13] A1
[51] **Int.Cl. F03D 17/00 (2016.01) F03D 7/02 (2006.01) H02J 9/00 (2006.01)**
[25] EN
[54] **WIND TURBINE BACKUP POWER SUPPLY MONITORING**
[54] **SURVEILLANCE D'ALIMENTATION DE SECOURS D'EOLIENNE**
[72] THEOPOLD, TOBIAS, DE
[72] STRENZKE, HILMAR, DE
[71] MOOG UNNA GMBH, DE
[85] 2017-10-23
[86] 2016-04-29 (PCT/EP2016/059665)
[87] (WO2016/174233)
[30] DE (102015005509.7) 2015-04-30

---

[21] **2,983,664**
[13] A1
[51] **Int.Cl. A61B 17/72 (2006.01)**
[25] EN
[54] **HUMERAL NAIL**
[54] **CLOU HUMERAL**
[72] VAN DYKE, SCOTT, US
[72] KANAKARIS, NIKOLAOS, GB
[72] MULLIS, BRIAN, US
[72] LIPORACE, FRANK A., US
[72] HAIDUKEWYCH, GEORGE J., US
[72] KINUGASA, KIYOTO, US
[72] INOUE, HISAYOSHI, US
[71] VAN DYKE, SCOTT, US
[71] KANAKARIS, NIKOLAOS, GB
[71] MULLIS, BRIAN, US
[71] LIPORACE, FRANK A., US
[71] HAIDUKEWYCH, GEORGE J., US
[71] KINUGASA, KIYOTO, US
[71] INOUE, HISAYOSHI, US
[85] 2017-10-20
[86] 2016-04-22 (PCT/US2016/028998)
[87] (WO2016/172594)
[30] US (62/152,339) 2015-04-24

---

[21] **2,983,666**
[13] A1
[51] **Int.Cl. A61K 38/08 (2006.01) A61K 39/395 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING CANCER AND PERSISTENT VIRAL INFECTIONS**
[54] **COMPOSITIONS ET PROCEDES PERMETTANT DE TRAITER LE CANCER ET DES INFECTIONS VIRALES PERSISTANTES**
[72] EGGINK, LAURA L., US
[72] HOOBER, KENNETH J., US
[71] SUSAVION BIOSCIENCES, INC., US
[85] 2017-10-23
[86] 2015-07-08 (PCT/US2015/039555)
[87] (WO2016/175878)
[30] US (14/697,240) 2015-04-27

---

[21] **2,983,668**
[13] A1
[51] **Int.Cl. C07D 231/40 (2006.01) A61K 31/4155 (2006.01) A61P 9/00 (2006.01) C07D 231/44 (2006.01) C07D 231/50 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **PYRAZOLE DERIVATIVES USEFUL AS 5-LIPOXYGENASE ACTIVATING PROTEIN (FLAP) INHIBITORS**
[54] **DERIVES DE PYRAZOLE UTILES EN TANT QU'INHIBITEURS (FLAP) DE PROTEINE ACTIVANT LA 5-LIPOXYGENASE**
[72] BRODDEFALK, JOHAN OLOF, SE
[72] EMTENAS, HANS FREDRIK, SE
[72] GRANBERG, KENNETH LARS, SE
[72] LEMURELL, MALIN ANITA, SE
[72] PETTERSEN, DANIEL TOR, SE
[72] PLOWRIGHT, ALLEYN THOMAS, SE
[72] ULANDER, LARS JOHAN ANDREAS, SE
[71] ASTRAZENECA AB, SE
[85] 2017-10-23
[86] 2016-05-03 (PCT/EP2016/059848)
[87] (WO2016/177703)
[30] US (62/156424) 2015-05-04

---

[21] **2,983,670**
[13] A1
[51] **Int.Cl. B60R 11/00 (2006.01) B60R 9/02 (2006.01) B60R 11/04 (2006.01)**
[25] FR
[54] **VEHICLE GLAZING COMPRISING A PLATE FOR ATTACHING MULTIPLE ACCESSORIES, PLATE AND ATTACHMENT METHOD**
[54] **VITRAGE DE VEHICULE COMPRENANT UNE PLATINE POUR LA FIXATION DE PLUSIEURS ACCESSOIRES, PLATINE ET PROCEDE DE FIXATION**
[72] SILVESTRINI, LAURENT, FR
[72] BREBION, RAYMOND, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2017-10-23
[86] 2016-04-29 (PCT/FR2016/051015)
[87] (WO2016/177955)
[30] FR (1554095) 2015-05-07

---

[21] **2,983,671**
[13] A1
[51] **Int.Cl. C07C 29/145 (2006.01) C07C 1/24 (2006.01) C07C 11/02 (2006.01) C07C 31/02 (2006.01) C07C 45/48 (2006.01) C07C 49/04 (2006.01)**
[25] EN
[54] **PROCESS FOR THE DECARBOXYLATIVE KETONIZATION OF FATTY ACIDS OR FATTY ACID DERIVATIVES**
[54] **PROCEDE DE CETONISATION DECARBOXYLANTE D'ACIDES GRAS OU DE DERIVES D'ACIDES GRAS**
[72] BACK, OLIVIER, FR
[72] LEROY, REMY, FR
[72] MARION, PHILIPPE, FR
[71] RHODIA OPERATIONS, FR
[85] 2017-10-23
[86] 2016-05-04 (PCT/EP2016/060106)
[87] (WO2016/177842)
[30] EP (15305709.6) 2015-05-07

[21] **2,983,673**
[13] A1
[51] **Int.Cl. B29C 41/04 (2006.01) C04B 35/71 (2006.01) C22C 47/00 (2006.01)**
[25] FR
[54] **METHOD FOR IMPREGNATING A HOLLOW FIBROUS TEXTURE**
[54] **PROCEDE D'IMPREGNATION D'UNE TEXTURE FIBREUSE DE FORME CREUSE**
[72] GODON, THIERRY, FR
[72] PODGORSKI, MICHAEL, FR
[71] SAFRAN, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-10-23
[86] 2016-05-23 (PCT/FR2016/051214)
[87] (WO2016/193569)
[30] FR (1555090) 2015-06-04

---

[21] **2,983,674**
[13] A1
[51] **Int.Cl. C07D 471/08 (2006.01) A61K 31/04 (2006.01) A61K 31/439 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUNDS AND THEIR USE IN PREVENTING OR TREATING BACTERIAL INFECTIONS**
[54] **COMPOSES HETEROCYCLIQUES ET LEUR UTILISATION DANS LA PREVENTION OU LE TRAITEMENT D'INFECTIONS BACTERIENNES**
[72] BARBION, JULIEN, FR
[72] CARAVANO, AUDREY, FR
[72] CHASSET, SOPHIE, FR
[72] CHEVREUIL, FRANCIS, FR
[72] LECOINTE, NICOLAS, FR
[72] LEDOUSSAL, BENOIT, FR
[72] LE STRAT, FREDERIC, FR
[72] RICHARD, SEBASTIEN, FR
[72] SIMON, CHRISTOPHE, FR
[72] VOMSCHEID, SOPHIE, FR
[72] BRIAS, JULIE, FR
[72] BRIET, SOPHIA, FR
[72] FAIVRE, FABIEN, FR
[72] LE FRALLIEC, GERALDINE, FR
[72] OLIVEIRA, CHRYSTELLE, FR
[71] MUTABILIS, FR
[85] 2017-10-23
[86] 2016-05-06 (PCT/EP2016/060142)
[87] (WO2016/177862)
[30] EP (15305701.3) 2015-05-07
[30] EP (16305144.4) 2016-02-08

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[21] **2,983,676**
[13] A1
[51] **Int.Cl. A61B 42/10 (2016.01) A41D 19/00 (2006.01)**
[25] EN
[54] **AUTOMATIC APPARATUS FOR PUTTING STERILE GLOVES ON HANDS**
[54] **APPAREIL AUTOMATIQUE DE POSE DE GANTS STERILES SUR LES MAINS**
[72] AVSHALOM, SHIMON, IL
[72] SARDEHELL, YOMTOV, IL
[71] AVSHALOM, SHIMON, IL
[71] SARDEHELL, YOMTOV, IL
[85] 2017-10-23
[86] 2016-04-25 (PCT/IL2016/050437)
[87] (WO2016/174672)
[30] IL (238458) 2015-04-26

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[21] **2,983,679**
[13] A1
[51] **Int.Cl. C08G 59/50 (2006.01) C08G 59/18 (2006.01) C08G 59/56 (2006.01)**
[25] EN
[54] **A CURING AGENT FOR THERMOSETTING EPOXY RESINS, AND A PROCESS FOR THE PREPARATION OF INSULATION SYSTEMS FOR ELECTRICAL ENGINEERING**
[54] **AGENT DE DURCISSEMENT POUR LE THERMODURCISSEMENT DE RESINES EPOXY, ET PROCEDE POUR LA PREPARATION DE SYSTEMES D'ISOLATION DESTINES EUX DOMAINES DE L'ELECTROTECHNIQUE**
[72] BEISELE, CHRISTIAN, DE
[72] COLLIARD, SOPHIE, FR
[72] SCHOENENBERGER, CATHERINE, FR
[71] HUNTSMAN ADVANCED MATERIALS LICENSING (SWITZERLAND) GMBH, CH
[85] 2017-10-23
[86] 2016-05-11 (PCT/EP2016/060558)
[87] (WO2016/184749)
[30] EP (15168065.9) 2015-05-19

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[21] **2,983,680**
[13] A1
[51] **Int.Cl. G08G 1/16 (2006.01) B60W 30/095 (2012.01) B60R 21/00 (2006.01)**
[25] EN
[54] **SCENE UNDERSTANDING DEVICE**
[54] **DISPOSITIF DE DETERMINATION DE SCENE**
[72] YOSHIHIRA, MASANORI, JP
[72] WATANABE, SEIGO, JP
[72] KISHI, NORIMASA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2017-10-23
[86] 2015-04-23 (PCT/JP2015/062405)
[87] (WO2016/170646)

---

[21] **2,983,682**
[13] A1
[51] **Int.Cl. G08G 1/16 (2006.01) B60W 30/095 (2012.01) B60R 21/00 (2006.01)**
[25] EN
[54] **OCCLUSION CONTROL DEVICE**
[54] **DISPOSITIF DE COMMANDE EN CAS D'OCCULTATION**
[72] YOSHIHIRA, MASANORI, JP
[72] WATANABE, SEIGO, JP
[72] KISHI, NORIMASA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2017-10-23
[86] 2015-04-23 (PCT/JP2015/062406)
[87] (WO2016/170647)

---

[21] **2,983,683**
[13] A1
[51] **Int.Cl. G03F 1/20 (2012.01) G03F 1/36 (2012.01) G03F 1/70 (2012.01) G03F 1/76 (2012.01) G03F 1/92 (2012.01) G03F 7/20 (2006.01) H01L 21/027 (2006.01)**
[25] EN
[54] **SPECTRAL GRADIENT FILTER PRODUCTION USING SURFACE APPLIED ARRAY OPTIMIZED 3D SHADOW MASKS**
[54] **FABRICATION DE FILTRES A GRADIENT SPECTRAL A L'AIDE DE MASQUES PERFORES 3D OPTIMISES EN RESEAU APPLIQUES EN SURFACE**
[72] LANE, JAMES D., US
[71] OCEAN OPTICS, INC., US
[85] 2017-10-23
[86] 2016-04-14 (PCT/US2016/027408)
[87] (WO2016/171978)
[30] US (62/151,478) 2015-04-23
[30] US (15/098,375) 2016-04-14

[21] **2,983,684**
[13] A1
[51] **Int.Cl. G06Q 20/40 (2012.01)**
[25] EN
[54] **METHOD OF RETAINING TRANSACTION CONTEXT**
[54] **PROCEDE DE RETENTION DE CONTEXTE DE TRANSACTION**
[72] SULLIVAN, BRIAN, GB
[72] WILSON, DAVID, GB
[72] HARBIGE, DAVID, GB
[71] VISA EUROPE LIMITED, GB
[85] 2017-10-23
[86] 2016-04-13 (PCT/GB2016/051033)
[87] (WO2016/170305)
[30] GB (1507047.7) 2015-04-24

---

[21] **2,983,685**
[13] A1
[51] **Int.Cl. A61K 35/741 (2015.01) A23L 33/10 (2016.01) A23L 33/135 (2016.01)**
[25] EN
[54] **DIETARY SUPPLEMENT**
[54] **COMPLEMENT ALIMENTAIRE**
[72] MOILLE, SOPHIE, FR
[72] SILVA ZOLEZZI, IRMA, CH
[72] HABEYCH NARVAEZ, EDWIN ALBERTO, CH
[72] GALAFFU, NICOLA, FR
[72] BOURQUI, BERTRAND, CH
[72] COLOMBO MOTTAZ, SARA, CH
[71] NESTEC S.A., CH
[85] 2017-10-23
[86] 2016-06-09 (PCT/EP2016/063170)
[87] (WO2016/198528)
[30] EP (15171552.1) 2015-06-11

---

[21] **2,983,686**
[13] A1
[51] **Int.Cl. G06Q 50/06 (2012.01)**
[25] EN
[54] **GAS FACILITY OPERATION MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE FONCTIONNEMENT D'INSTALLATION GAZIERE**
[72] WADA, SHINJI, JP
[72] DEKAMO, SHINGO, JP
[71] NIPPON GAS CO., LTD., JP
[85] 2017-10-23
[86] 2016-03-14 (PCT/JP2016/001450)
[87] (WO2016/185648)
[30] JP (2015-103833) 2015-05-21

---

[21] **2,983,688**
[13] A1
[51] **Int.Cl. C08G 18/38 (2006.01) C08G 18/32 (2006.01) C08G 18/72 (2006.01) C09D 175/12 (2006.01)**
[25] EN
[54] **TWO-PART POLYURETHANE EROSION RESISTANT COATINGS**
[54] **REVETEMENTS EN POLYURETHANE A DEUX COMPOSANTS RESISTANT A L'EROSION**
[72] WEBER, BJORN, DE
[72] AUDENAERT, FRANS A., BE
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2017-10-23
[86] 2016-04-18 (PCT/US2016/028028)
[87] (WO2016/172016)
[30] US (62/152,295) 2015-04-24

---

[21] **2,983,689**
[13] A1
[51] **Int.Cl. G01B 11/22 (2006.01) B21J 15/14 (2006.01) B21J 15/28 (2006.01) B23Q 17/24 (2006.01) B25J 19/04 (2006.01)**
[25] EN
[54] **INSPECTION OF DRILLED FEATURES IN OBJECTS**
[54] **INSPECTION D'ELEMENTS PERCES DANS DES OBJETS**
[72] CARBERRY, JONATHAN MICHAEL, GB
[72] COOK, AUSTIN JAMES, GB
[71] BAE SYSTEMS PLC, GB
[85] 2017-10-23
[86] 2016-04-28 (PCT/GB2016/051213)
[87] (WO2016/174444)
[30] GB (1507453.7) 2015-04-30
[30] EP (15275127.7) 2015-04-30

---

[21] **2,983,690**
[13] A1
[51] **Int.Cl. G01D 5/32 (2006.01)**
[25] EN
[54] **PHOTONIC SENSOR TRACKING**
[54] **SUIVI DE CAPTEUR PHOTONIQUE**
[72] CARLSON, DOUGLAS O., US
[71] FAZ TECHNOLOGY LIMITED, IE
[85] 2017-10-23
[86] 2016-03-31 (PCT/IB2016/000508)
[87] (WO2016/170415)
[30] US (14/693,947) 2015-04-23

---

[21] **2,983,691**
[13] A1
[51] **Int.Cl. G02F 2/00 (2006.01) G02B 6/00 (2006.01) G02B 6/125 (2006.01) G02B 6/126 (2006.01)**
[25] EN
[54] **COHERENT OPTICAL MIXER CIRCUIT**
[54] **CIRCUIT MELANGEUR OPTIQUE COHERENT**
[72] KAMEI, SHIN, JP
[72] JIZODO, MAKOTO, JP
[72] FUKUDA, HIROSHI, JP
[72] KIKUCHI, KIYOFUMI, JP
[72] TSUZUKI, KEN, JP
[71] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP
[85] 2017-10-23
[86] 2016-05-27 (PCT/JP2016/002563)
[87] (WO2016/194349)
[30] JP (2015-110769) 2015-05-29

---

[21] **2,983,692**
[13] A1
[51] **Int.Cl. G06Q 50/22 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MANAGING A PATIENT OF A MEDICAL PRACTICE**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE GERER UN PATIENT D'UN CABINET MEDICAL**
[72] DEMAIO, PIETRO ROCCO, AU
[71] AUTOMED KIOSK PTY LTD, AU
[85] 2017-10-23
[86] 2016-04-24 (PCT/AU2016/050295)
[87] (WO2016/168900)
[30] US (62/151,554) 2015-04-23

[21] **2,983,693**
[13] A1
[51] **Int.Cl. F16J 15/10 (2006.01) B29D 99/00 (2010.01) H01M 8/0271 (2016.01) F16J 15/00 (2006.01)**
[25] EN
[54] **GASKET MOLDING AND MANUFACTURING METHOD THEREFOR**
[54] **MOULAGE DE JOINT D'ETANCHEITE ET PROCEDE DE FABRICATION POUR CE DERNIER**
[72] KURANO, YOSHIHIRO, JP
[72] SHIMAZOE, TOSHIHIRO, JP
[71] NOK CORPORATION, JP
[85] 2017-10-23
[86] 2016-03-25 (PCT/JP2016/059548)
[87] (WO2016/170914)
[30] JP (2015-089405) 2015-04-24

---

[21] **2,983,697**
[13] A1
[51] **Int.Cl. A42B 3/30 (2006.01)**
[25] EN
[54] **PROTECTIVE HELMET**
[54] **CASQUE DE PROTECTION**
[72] AUERBACH, PHILIPP, CH
[71] PFANNER SCHUTZBEKLEIDUNG GMBH, AT
[85] 2017-10-20
[86] 2016-05-10 (PCT/EP2016/060435)
[87] (WO2016/180824)
[30] DE (10 2015 006 111.9) 2015-05-11

---

[21] **2,983,701**
[13] A1
[51] **Int.Cl. B29B 15/12 (2006.01)**
[25] EN
[54] **PROCESS AND DEVICE FORTHE PRODUCTION OF A FIBRE-COMPOSITE MATERIAL**
[54] **PROCEDE ET DISPOSITIF POUR PRODUIRE UN MATERIAU COMPOSITE FIBREUX**
[72] BERLIN, MARK REINHARD, DE
[72] SONDERMANN, UDO, DE
[71] EVONIK DEGUSSA GMBH, DE
[85] 2017-10-23
[86] 2016-04-19 (PCT/EP2016/058636)
[87] (WO2016/173886)
[30] EP (15165851.5) 2015-04-30

---

[21] **2,983,702**
[13] A1
[51] **Int.Cl. C09D 133/00 (2006.01) C09D 151/10 (2006.01)**
[25] EN
[54] **LOW SHEEN PAINT COMPOSITION WITH EFFECTIVE OPACITY**
[54] **COMPOSITION DE PEINTURE A FAIBLE LUSTRE AVEC OPACITE EFFICACE**
[72] CHEN, JUNYU, CN
[72] CUI, WEI, CN
[72] WANG, TAO, CN
[72] LI, QIANQIAN, CN
[72] LI, JUAN, CN
[72] CUI, LONGLAN, CN
[72] SPEECE, DAVID G., JR., US
[72] WANG, TAO, AU
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2017-10-23
[86] 2015-04-28 (PCT/CN2015/077607)
[87] (WO2016/172832)

---

[21] **2,983,704**
[13] A1
[51] **Int.Cl. H01H 13/86 (2006.01) G06F 3/02 (2006.01) G07F 7/10 (2006.01)**
[25] FR
[54] **DETECTION OF THE OPENING OF A DATA INPUT DEVICE**
[54] **DETECTION D'OUVERTURE D'UN DISPOSITIF DE SAISIE DE DONNEES**
[72] ANDRE, JEROME, FR
[72] ROSSIGNOL, MICHEL, FR
[72] BERTHIAUD, MICHEL, FR
[71] INGENICO GROUP, FR
[85] 2017-10-23
[86] 2016-04-27 (PCT/EP2016/059448)
[87] (WO2016/174114)
[30] FR (1553778) 2015-04-27

---

[21] **2,983,705**
[13] A1
[51] **Int.Cl. A61H 33/06 (2006.01) A61N 5/06 (2006.01) E04H 1/12 (2006.01) E04H 15/10 (2006.01)**
[25] EN
[54] **PORTABLE NEAR-INFRARED SAUNA TENT**
[54] **TENTE DE SAUNA A INFRAROUGE PROCHE PORTABLE**
[72] DURFEE, EILEEN LOUISE, US
[71] DURFEE, EILEEN LOUISE, US
[85] 2017-10-23
[86] 2015-11-13 (PCT/IB2015/058785)
[87] (WO2016/147036)
[30] US (62/132,783) 2015-03-13

---

[21] **2,983,706**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **COMBINATION OF A CD30XCD16 ANTIBODY WITH A PD-1 ANTAGONIST FOR THERAPY**
[54] **COMBINAISON D'UN ANTICORPS ANTI-CD30XCD16 AVEC UN ANTAGONISTE PD-1 A DES FINS THERAPEUTIQUES**
[72] TREDER, MARTIN, DE
[72] REUSCH, UWE, DE
[72] MARSCHNER, JENS-PETER, DE
[72] KNACKMUSS, STEFAN, DE
[71] AFFIMED GMBH, DE
[85] 2017-10-23
[86] 2016-05-04 (PCT/EP2016/060113)
[87] (WO2016/177846)
[30] EP (15166303.6) 2015-05-04
[30] EP (16152650.4) 2016-01-25

---

[21] **2,983,710**
[13] A1
[51] **Int.Cl. B65H 19/30 (2006.01) B65H 18/26 (2006.01) B65H 19/22 (2006.01)**
[25] EN
[54] **"MACHINE AND METHOD FOR PRODUCING BOBBINS OF STRETCH FILM"**
[54] **MACHINE ET PROCEDE POUR PRODUIRE DES BOBINES DE FILM ETIRABLE**
[72] PROVERA, VANDER, IT
[71] AMUT S.P.A., IT
[85] 2017-10-23
[86] 2016-05-05 (PCT/EP2016/060129)
[87] (WO2016/177851)
[30] EP (15166350.7) 2015-05-05

[21] **2,983,713**
[13] A1
[51] **Int.Cl. A61M 16/00 (2006.01) A61M 16/20 (2006.01)**
[25] EN
[54] **ARTIFICIAL VENTILATION APPARATUS ABLE TO DELIVER VENTILATION AND MONITORING WHICH ARE SPECIFIC TO THE PATIENTS RECEIVING CARDIAC MASSAGE**
[54] **APPAREIL DE VENTILATION ARTIFICIELLE APTE A DELIVRER UNE VENTILATION ET UN MONITORAGE SPECIFIQUES AUX PATIENTS RECEVANT UN MASSAGE CARDIAQUE**
[72] JACQUOT, ERIC, FR
[72] RIGOLLOT, MARCEAU, FR
[72] RICHARD, JEAN-CHRISTOPHE, FR
[71] AIR LIQUIDE MEDICAL SYSTEMS, FR
[85] 2017-10-23
[86] 2016-02-26 (PCT/FR2016/050445)
[87] (WO2016/174318)
[30] FR (1553808) 2015-04-28

---

[21] **2,983,717**
[13] A1
[51] **Int.Cl. A61M 16/00 (2006.01) A61H 31/00 (2006.01)**
[25] EN
[54] **ARTIFICIAL VENTILATION APPARATUS WITH VENTILATION MODES SUITED TO CARDIAC MASSAGE**
[54] **APPAREIL DE VENTILATION ARTIFICIELLE AVEC MODES VENTILATOIRES ADAPTES AU MASSAGE CARDIAQUE**
[72] DERMEL, MARIUS, FR
[72] JACQUOT, ERIC, FR
[72] PENNORS, THOMAS, FR
[72] RIGOLLOT, MARCEAU, FR
[72] RICHARD, JEAN-CHRISTOPHE, FR
[71] AIR LIQUIDE MEDICAL SYSTEMS, FR
[85] 2017-10-23
[86] 2016-04-06 (PCT/FR2016/050788)
[87] (WO2016/174324)
[30] FR (1553809) 2015-04-28

---

[21] **2,983,718**
[13] A1
[51] **Int.Cl. B65D 65/40 (2006.01) B32B 33/00 (2006.01) B65D 1/02 (2006.01) B65D 23/02 (2006.01) B65D 25/14 (2006.01)**
[25] EN
[54] **STRUCTURE HAVING A GEL-LIKE COATING ON THE SURFACE THEREOF**
[54] **STRUCTURE A REVETEMENT DE SURFACE DE TYPE GEL**
[72] NYUU, KEISUKE, JP
[72] OKADA, YOSHIAKI, JP
[72] MIYAZAKI, TOMOYUKI, JP
[72] AKUTSU, YOSUKE, JP
[72] IWAMOTO, SHINYA, JP
[71] TOYO SEIKAN CO., LTD., JP
[71] TOYO SEIKAN GROUP HOLDINGS, LTD., JP
[85] 2017-10-23
[86] 2016-03-29 (PCT/JP2016/060136)
[87] (WO2016/185804)
[30] JP (2015-103840) 2015-05-21

---

[21] **2,983,720**
[13] A1
[51] **Int.Cl. C23C 14/06 (2006.01) B23B 27/14 (2006.01)**
[25] EN
[54] **HARD COATING AND HARD COATING-COVERED MEMBER**
[54] **REVETEMENT DUR ET ELEMENT RECOUVERT DE REVETEMENT DUR**
[72] YAMAMOTO, KENJI, JP
[72] NII, HIROAKI, JP
[72] FOX-RABINOVICH, GERMAN, CA
[71] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP
[85] 2017-10-23
[86] 2016-04-25 (PCT/JP2016/062930)
[87] (WO2016/181813)
[30] JP (2015-097299) 2015-05-12

---

[21] **2,983,721**
[13] A1
[51] **Int.Cl. C07D 213/69 (2006.01) A61K 31/4412 (2006.01) A61K 31/505 (2006.01) A61K 31/506 (2006.01) A61K 31/53 (2006.01) A61K 31/5377 (2006.01) A61P 1/02 (2006.01) A61P 1/04 (2006.01) A61P 1/16 (2006.01) A61P 1/18 (2006.01) A61P 3/10 (2006.01) A61P 9/10 (2006.01) A61P 11/00 (2006.01) A61P 11/06 (2006.01) A61P 11/08 (2006.01) A61P 13/00 (2006.01) A61P 13/08 (2006.01) A61P 13/10 (2006.01) A61P 13/12 (2006.01) A61P 17/02 (2006.01) A61P 17/04 (2006.01) A61P 17/06 (2006.01) A61P 19/02 (2006.01) A61P 19/08 (2006.01) A61P 19/10 (2006.01) A61P 21/02 (2006.01) A61P 25/00 (2006.01) A61P 25/04 (2006.01) A61P 25/08 (2006.01) A61P 25/14 (2006.01) A61P 25/16 (2006.01) A61P 25/18 (2006.01) A61P 25/20 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01) A61P 25/30 (2006.01) A61P 25/34 (2006.01) A61P 25/36 (2006.01) A61P 27/00 (2006.01) A61P 27/02 (2006.01) A61P 29/00 (2006.01) A61P 31/04 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 35/04 (2006.01) A61P 37/06 (2006.01) A61P 37/08 (2006.01) A61P 43/00 (2006.01) C07D 213/74 (2006.01) C07D 239/47 (2006.01) C07D 239/48 (2006.01) C07D 239/52 (2006.01) C07D 239/54 (2006.01) C07D 239/60 (2006.01) C07D 253/06 (2006.01) C07D 401/06 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01) C07D 405/12 (2006.01) C07D 409/06 (2006.01) C07D 409/12 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **6-MEMBERED HETEROCYCLIC DERIVATIVES AND PHARMACEUTICAL COMPOSITION COMPRISING THE SAME**
[54] **DERIVE HETEROCYCLIQUE A 6 CHAINONS ET COMPOSITION PHARMACEUTIQUE COMPRENANT CELUI-CI**
[72] TANAKA, SATORU, JP
[72] OGAWA, TOMOYUKI, JP
[72] KAI, HIROYUKI, JP
[72] OGATA, YUKI, JP
[72] HIRAI, KEIICHIRO, JP
[72] KUROSE, NORIYUKI, JP
[72] FUJII, YASUHIKO, JP
[71] SHIONOGI & CO., LTD., JP
[85] 2017-10-23
[86] 2016-04-22 (PCT/JP2016/062759)
[87] (WO2016/171249)
[30] JP (2015-089431) 2015-04-24
[30] JP (2015-127214) 2015-06-25

[21] **2,983,722**
[13] A1
[51] **Int.Cl. G01N 23/04 (2006.01)**
[25] EN
[54] **IMAGE ACQUISITION DEVICE, IMAGE ACQUISITION METHOD, AND IMAGE CORRECTION PROGRAM**
[54] **DISPOSITIF D'ACQUISITION D'IMAGE, PROCEDE D'ACQUISITION D'IMAGE ET PROGRAMME DE CORRECTION D'IMAGE**
[72] MONKAWA, AKIRA, JP
[72] NAKANISHI, SHOICHI, JP
[72] ABE, SHINYA, JP
[71] TOKYO METROPOLITAN INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE, JP
[85] 2017-10-23
[86] 2016-06-03 (PCT/JP2016/066539)
[87] (WO2016/195058)
[30] JP (2015-115101) 2015-06-05

---

[21] **2,983,725**
[13] A1
[51] **Int.Cl. B23P 21/00 (2006.01) B64F 5/00 (2017.01) G05B 19/418 (2006.01)**
[25] EN
[54] **PRODUCTION FACILITY, PRODUCTION FACILITY DESIGN METHOD, PRODUCTION FACILITY CONTROL METHOD, AND MANUFACTURING METHOD**
[54] **INSTALLATION DE PRODUCTION, PROCEDE DE CONCEPTION D'INSTALLATION DE PRODUCTION, PROCEDE DE COMMANDE D'INSTALLATION DE PRODUCTION ET PROCEDE DE FABRICATION**
[72] HIRAI, MAKOTO, JP
[72] GOTO, TAKUYA, JP
[72] KANEKO, TSUYOSHI, JP
[72] NAKAMURA, KATSUMI, JP
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[85] 2017-10-23
[86] 2016-07-12 (PCT/JP2016/070605)
[87] (WO2017/029912)
[30] JP (2015-162680) 2015-08-20

---

[21] **2,983,727**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/55 (2006.01) C07D 487/12 (2006.01)**
[25] EN
[54] **N-SUBSTITUTED NORIBOGAINE PRODRUGS**
[54] **PROMEDICAMENTS DE NORIBOGAINE N-SUBSTITUE**
[72] MASH, DEBORAH C., US
[71] DEMERX, INC., US
[85] 2017-10-23
[86] 2014-04-21 (PCT/US2014/034826)
[87] (WO2015/163844)

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[21] **2,983,729**
[13] A1
[51] **Int.Cl. B60S 1/32 (2006.01) B60S 1/04 (2006.01) B60S 1/38 (2006.01)**
[25] EN
[54] **WIPER BLADE WITH IMPROVED WIPER STRIP**
[54] **BALAI D'ESSUIE-GLACE DOTE D'UNE RACLETTE D'ESSUIE-GLACE AMELIOREE**
[72] PEERS, ROBERT PETER, US
[72] KAWASHIMA, HIROSHI, US
[71] PYLON MANUFACTURING CORP., US
[85] 2017-10-23
[86] 2016-03-28 (PCT/US2016/024490)
[87] (WO2016/160687)
[30] US (62/139,383) 2015-03-27

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[21] **2,983,732**
[13] A1
[51] **Int.Cl. C07K 16/14 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **FUNGAL DETECTION USING MANNAN EPITOPE**
[54] **DETECTION FONGIQUE A L'AIDE D'EPITOPE DE MANNANE**
[72] KOZEL, THOMAS R., US
[72] HUBBARD, BREEANA, US
[72] BURNHAM-MARUSICH, AMANDA, US
[71] BOARD OF REGENTS OF THE NEVADA SYSTEM OF HIGHER EDUCATION, ON BEHALF OF THE UNIVERSITY OF NEVADA, RENO, US
[85] 2017-10-23
[86] 2016-04-23 (PCT/US2016/029085)
[87] (WO2016/172660)
[30] US (62/151,865) 2015-04-23

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[21] **2,983,733**
[13] A1
[51] **Int.Cl. B23K 20/16 (2006.01) B22C 9/06 (2006.01) B22D 19/04 (2006.01) B23K 35/02 (2006.01) B23K 37/06 (2006.01)**
[25] EN
[54] **EXOTHERMIC REACTION WELDING MOLDS, WELD-METAL CONTAINING CARTRIDGES FOR SUCH MOLDS, AND METHODS OF USE**
[54] **MOULES DE SOUDURE PAR REACTION EXOTHERMIQUE, CARTOUCHES CONTENANT DU METAL D'APPORT POUR CES MOULES, ET PROCEDES D'UTILISATION**
[72] HOAGLAND, TIMOTHY CHARLES, US
[72] LEHMANN, TODD CARLTON, US
[72] ABEDRABOH, MAMOON TAWFIQ, US
[72] WU, XIAOCHEN, US
[71] HUBBELL INCORPORATED, US
[85] 2017-10-23
[86] 2016-04-25 (PCT/US2016/029121)
[87] (WO2016/172669)
[30] US (62/152,651) 2015-04-24

---

[21] **2,983,737**
[13] A1
[51] **Int.Cl. B23K 11/30 (2006.01) B23K 11/36 (2006.01) B23K 35/02 (2006.01)**
[25] EN
[54] **IMPROVED WELDING ELECTRODE CAP**
[54] **COIFFE D'ELECTRODE DE SOUDAGE PERFECTIONNEE**
[72] PRUCHER, BRYAN, US
[71] PRUCHER, BRYAN, US
[85] 2017-10-23
[86] 2016-04-19 (PCT/US2016/028259)
[87] (WO2016/172090)
[30] US (62/151,682) 2015-04-23

[21] **2,983,741**
[13] A1
[51] **Int.Cl. G06T 1/00 (2006.01) H04N 21/23 (2011.01) H04N 7/025 (2006.01)**
[25] EN
[54] **METHOD OF VIDEO ENHANCEMENT**
[54] **PROCEDE DE MODIFICATION D'UNE VIDEO**
[72] ALMEIDA, JOSE LUIS, MX
[72] SONABEND, ROBERTO, MX
[71] ALMEIDA, JOSE LUIS, MX
[71] PUBLICIDAD VIRTUAL, MX
[71] SONABEND, ROBERTO, MX
[71] CHENILLO, SAMUEL, US
[85] 2017-01-25
[86] 2013-07-26 (PCT/US2013/052236)
[87] (WO2015/012857)

---

[21] **2,983,742**
[13] A1
[51] **Int.Cl. G06F 15/16 (2006.01) G06Q 20/38 (2012.01) G06Q 50/18 (2012.01) G06F 21/62 (2013.01) G06F 19/00 (2011.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **METHOD OF SECURING CONNECTED DEVICES ON A NETWORK**
[54] **PROCEDE DE SECURISATION DE DISPOSITIFS CONNECTES SUR UN RESEAU**
[72] HOWARD, KELVAN, US
[71] VISA INTERNATIONAL SERVICE ASSOCIATION, US
[85] 2017-10-23
[86] 2016-04-25 (PCT/US2016/029190)
[87] (WO2016/176142)
[30] US (62/155,299) 2015-04-30

---

[21] **2,983,745**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROCESSING ITEMS FOR INTERNATIONAL DISTRIBUTION**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT D'ARTICLES POUR DISTRIBUTION INTERNATIONALE**
[72] YEAGER, TERESA Y., US
[72] WILLIAMS, ARNEECE L., US
[72] DHURIA, NEENA, US
[71] UNITED STATES POSTAL SERVICE, US
[85] 2017-10-23
[86] 2016-05-03 (PCT/US2016/030585)
[87] (WO2016/179182)
[30] US (62/156,781) 2015-05-04

---

[21] **2,983,746**
[13] A1
[51] **Int.Cl. H01P 1/213 (2006.01)**
[25] EN
[54] **INPUT/OUTPUT APPARATUS OF MULTIPLEXER, AND MULTIPLEXER**
[54] **DISPOSITIF D'ENTREE-SORTIE POUR MULTIPLEXEUR, ET MULTIPLEXEUR**
[72] ZHANG, XIAOFENG, CN
[72] QIU, LIXIA, CN
[72] CHEN, KE, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-10-24
[86] 2016-03-04 (PCT/CN2016/075607)
[87] (WO2016/173321)
[30] CN (201510214812.0) 2015-04-29

---

[21] **2,983,747**
[13] A1
[51] **Int.Cl. A41C 3/00 (2006.01) A41C 3/02 (2006.01) A41C 3/04 (2006.01)**
[25] EN
[54] **STRESS TEST BRA**
[54] **SOUTIEN-GORGE POUR EPREUVE D'EFFORT**
[72] ROSS, SHERYL, US
[72] DIXON, JENNIFER, US
[72] COHEN, JEANNE, US
[71] ROSS, SHERYL, US
[85] 2017-10-23
[86] 2016-04-25 (PCT/US2016/029248)
[87] (WO2016/172725)
[30] US (14/695,643) 2015-04-24

---

[21] **2,983,749**
[13] A1
[51] **Int.Cl. G06K 9/00 (2006.01) G06K 9/62 (2006.01)**
[25] EN
[54] **DEVICES, METHODS AND SYSTEMS FOR BIOMETRIC USER RECOGNITION UTILIZING NEURAL NETWORKS**
[54] **DISPOSITIFS, PROCEDES ET SYSTEMES DE RECONNAISSANCE BIOMETRIQUE D'UN UTILISATEUR A L'AIDE DE RESEAUX NEURONAUX**
[72] BRADSKI, GARY R., US
[71] MAGIC LEAP, INC., US
[85] 2017-10-23
[86] 2016-05-09 (PCT/US2016/031499)
[87] (WO2016/183020)
[30] US (62/159,593) 2015-05-11

---

[21] **2,983,757**
[13] A1
[51] **Int.Cl. A47J 37/07 (2006.01) F24B 1/191 (2006.01) F24B 3/00 (2006.01)**
[25] EN
[54] **A DISPOSABLE GRILL**
[54] **GRIL JETABLE**
[72] BROGGER, CARSTEN NYGAARD, DK
[72] FINKEN, KNUD HELLEK, DK
[71] NOVO FUTURA IVS, DK
[85] 2017-10-24
[86] 2015-04-29 (PCT/DK2015/050111)
[87] (WO2016/173597)

---

[21] **2,983,762**
[13] A1
[51] **Int.Cl. A61K 31/395 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR THE TREATMENT OF CANCER**
[54] **COMPOSITIONS POUR LE TRAITEMENT DU CANCER**
[72] POZNANSKY, MARK C., US
[72] REEVES, PATRICK, US
[71] THE GENERAL HOSPITAL CORPORATION, US
[85] 2017-10-23
[86] 2016-04-25 (PCT/US2016/029258)
[87] (WO2016/172730)
[30] US (62/152,815) 2015-04-24
[30] US (62/152,824) 2015-04-25

[21] **2,983,763**
[13] A1
[51] **Int.Cl. A01N 43/66 (2006.01) A01N 57/20 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **HERBICIDE COMBINATIONS COMPRISING GLUFOSINATE AND INDAZIFLAM**
[54] **COMBINAISONS HERBICIDES COMPRENANT DU GLUFOSINATE ET DE L'INDAZIFLAME**
[72] OESER, JORG, DE
[72] GUR, PETRA, DE
[72] SCHWARZ, MICHAEL, US
[71] BAYER CROPSCIENCE AKTIENGESELLSCHSAFT, DE
[85] 2017-10-24
[86] 2016-04-25 (PCT/EP2016/059132)
[87] (WO2016/173966)
[30] EP (15165281.5) 2015-04-27
[30] US (62/293,489) 2016-02-10

---

[21] **2,983,764**
[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/00 (2006.01)**
[25] EN
[54] **ISOLATION OF BONA FIDE PANCREATIC PROGENITOR CELLS**
[54] **ISOLATION DE CELLULES PROGENITRICES PANCREATIQUES AUTHENTIQUES**
[72] AMERI, JACQUELINE, SE
[72] SEMB, HENRIK, SE
[71] UNIVERSITY OF COPENHAGEN, DK
[85] 2017-10-24
[86] 2016-04-21 (PCT/EP2016/058920)
[87] (WO2016/170069)
[30] EP (15164999.3) 2015-04-24

---

[21] **2,983,766**
[13] A1
[51] **Int.Cl. F16M 11/04 (2006.01) G03B 21/14 (2006.01)**
[25] EN
[54] **SHORT THROW PROJECTOR MOUNT WITH ADJUSTABLE SCREW DRIVE**
[54] **SUPPORT DE PROJECTEUR A COURTE PORTEE A ENTRAINEMENT DE VIS REGLABLE**
[72] SCHUH, MATHEW, US
[72] FROGNESS, HARLOW, US
[71] MILESTONE AV TECHNOLOGIES LLC, US
[85] 2017-10-23
[86] 2016-04-25 (PCT/US2016/029262)
[87] (WO2016/172732)
[30] US (62/151,789) 2015-04-23

---

[21] **2,983,767**
[13] A1
[51] **Int.Cl. G07C 3/14 (2006.01) B05B 12/00 (2006.01) B44D 3/00 (2006.01)**
[25] EN
[54] **INTEGRATED AND INTELLIGENT PAINT MANAGEMENT**
[54] **GESTION DE PEINTURE INTEGREE ET INTELLIGENTE**
[72] DATTILO, VINCENT P., US
[72] BEYER, CHARLES J., US
[72] DECKER, CHRISTIAN J., US
[72] RILEY, THOMAS M., US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2017-10-23
[86] 2016-04-21 (PCT/US2016/028599)
[87] (WO2016/172316)
[30] US (14/695,459) 2015-04-24

---

[21] **2,983,768**
[13] A1
[51] **Int.Cl. H01M 6/52 (2006.01) C22B 13/00 (2006.01) H01M 10/54 (2006.01)**
[25] EN
[54] **METHOD FOR THE TREATMENT OF USED BATTERIES, IN PARTICULAR RECHARGEABLE BATTERIES, AND BATTERY PROCESSING INSTALLATION**
[54] **PROCEDE DE MANIPULATION DE PILES USAGEES, EN PARTICULIER DE PILES RECHARGEABLES ET INSTALLATION DE MANIPULATION DE PILES**
[72] HANISCH, CHRISTIAN, DE
[72] WESTPHAL, BASTIAN, DE
[72] HASELRIEDER, WOLFGANG, DE
[72] SCHOENITZ, MARTIN, DE
[71] DUESENFELD GMBH, DE
[85] 2017-10-24
[86] 2016-04-28 (PCT/EP2016/059526)
[87] (WO2016/174156)
[30] DE (10 2015 207 843.4) 2015-04-28

---

[21] **2,983,769**
[13] A1
[51] **Int.Cl. A61K 31/535 (2006.01)**
[25] EN
[54] **NOVEL USE OF ARYL-QUINOLIN DERIVATIVES AS INHIBITORS OF VASCULOGENIC MIMICRY**
[54] **NOUVELLE UTILISATION DE DERIVES ARYL-QUINOLEINE COMME INHIBITEURS DE L'IMITATION DE FACTEURS VASCULOGENES**
[72] CHIEN, DU-SHIENG, US
[72] CHU, YI-WEN, TW
[71] TAIRX, INC., CN
[85] 2017-10-23
[86] 2016-06-02 (PCT/US2016/035441)
[87] (WO2016/196742)
[30] US (62/170,425) 2015-06-03

[21] **2,983,770**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/18 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **ANTI-FCRN ANTIBODIES**
[54] **ANTICORPS ANTI-FCRN**
[72] BHATTA, PALLAVI, GB
[72] DAVE, EMMA, GB
[72] HEYWOOD, SAM PHILIP, GB
[72] HUMPHREYS, DAVID PAUL, GB
[72] SMITH, BRYAN JOHN, GB
[71] UCB BIOPHARMA SPRL, BE
[85] 2017-10-24
[86] 2016-05-09 (PCT/EP2016/060305)
[87] (WO2016/180765)
[30] GB (1508180.5) 2015-05-13

[21] **2,983,771**
[13] A1
[51] **Int.Cl. A61B 5/024 (2006.01) A61B 5/02 (2006.01) A61B 5/0245 (2006.01) A61B 5/0295 (2006.01) A61B 5/145 (2006.01) A61B 5/1455 (2006.01)**
[25] EN
[54] **HEALTH MONITORING SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE SURVEILLANCE DE LA SANTE**
[72] MOYER, DANIEL VAN ZANDT, US
[72] GOLDA, GEORGE STEFAN, US
[72] MARRIOTT, MARK E., US
[72] ELETR, SAM, US
[72] O'NEIL, BRUCE, US
[71] RHYTHM DIAGNOSTIC SYSTEMS, INC., US
[85] 2017-10-23
[86] 2016-06-24 (PCT/US2016/039374)
[87] (WO2016/210334)
[30] US (62/185,321) 2015-06-26
[30] US (62/256,606) 2015- 1-17

[21] **2,983,772**
[13] A1
[51] **Int.Cl. F16K 3/316 (2006.01) F16K 3/02 (2006.01) F16K 3/18 (2006.01) F16K 25/00 (2006.01)**
[25] EN
[54] **PARALLEL SLIDE GATE VALVES AND RELATED METHODS**
[54] **ROBINETS-VANNES A SIEGES PARALLELES ET PROCEDES ASSOCIES**
[72] GRADLE, RICHARD J., US
[71] FLOWSERVE MANAGEMENT COMPANY, US
[85] 2017-10-23
[86] 2016-04-21 (PCT/US2016/028658)
[87] (WO2016/172347)
[30] US (14/696,321) 2015-04-24

[21] **2,983,773**
[13] A1
[51] **Int.Cl. C22B 1/10 (2006.01) C22B 11/00 (2006.01) C22B 15/00 (2006.01) C22B 23/00 (2006.01)**
[25] EN
[54] **METHOD FOR PARTIAL ROASTING OF COPPER AND/OR GOLD BEARING CONCENTRATES**
[54] **PROCEDE DE GRILLAGE PARTIEL DE CONCENTRES CONTENANT DU CUIVRE ET/OU DE L'OR**
[72] CHARITOS, ALEXANDROS, DE
[72] GUNTNER, JOCHEN, DE
[72] BUCHMANN, MARKUS, DE
[72] HAMMERSCHMIDT, JORG, DE
[72] KUNSCH, MARTIN, CH
[72] WROBEL, MACIEJ, DE
[72] MATTICH, CHRISTIAN, DE
[71] OUTOTEC (FINLAND) OY, FI
[85] 2017-10-24
[86] 2016-04-25 (PCT/EP2016/059170)
[87] (WO2016/180624)
[30] DE (10 2015 107 435.4) 2015-05-12

[21] **2,983,775**
[13] A1
[51] **Int.Cl. E21B 41/00 (2006.01) B65G 5/00 (2006.01) E21B 47/10 (2012.01)**
[25] FR
[54] **FACILITY FOR MONITORING GEOLOGICAL GAS STORAGE SITES**
[54] **INSTALLATION POUR LA SURVEILLANCE DE SITES DE STOCKAGE GEOLOGIQUE DE GAZ**
[72] GARCIA, BRUNO, FR
[72] ROUCHON, VIRGILE, FR
[72] CEREPI, ADRIAN, FR
[72] LOISY, CORINNE, FR
[72] LE ROUX, OLIVIER, FR
[72] RILLARD, JEAN, FR
[72] BERTRAND, CLAUDE, FR
[72] WILLEQUET, OLIVIER, FR
[71] IFP ENERGIES NOUVELLES, FR
[85] 2017-10-23
[86] 2016-04-26 (PCT/EP2016/059316)
[87] (WO2016/177606)
[30] FR (1553999) 2015-05-05

[21] **2,983,776**
[13] A1
[51] **Int.Cl. C12N 9/04 (2006.01) C12N 9/00 (2006.01) C12N 9/02 (2006.01) C12N 9/16 (2006.01) C12N 15/81 (2006.01) C12P 7/06 (2006.01)**
[25] EN
[54] **ACETATE CONSUMING YEAST CELL**
[54] **CELLULE DE LEVURE CONSOMMANT DE L'ACETATE**
[72] KLAASSEN, PAUL, NL
[72] SCHMITZ, JOZEF PETRUS JOHANNES, NL
[72] DE WAAL, PAULUS PETRUS, NL
[72] BOUMA, ARJEN, NL
[71] DSM IP ASSETS N.V., NL
[85] 2017-10-24
[86] 2016-05-18 (PCT/EP2016/061099)
[87] (WO2016/188813)
[30] EP (15168833.0) 2015-05-22

[21] **2,983,777**
[13] A1
[51] **Int.Cl. F16L 37/092 (2006.01) F16L 37/23 (2006.01)**
[25] EN
[54] **SINGLE ACTION PUSH TO CONNECT CONDUIT FITTING WITH COLLETING**
[54] **RACCORD INSTANTANE A SIMPLE ACTION POUR CONDUIT COMPRENANT UNE COLLERETTE**
[72] WILLIAMS, PETER C., US
[72] BROWN, CAL R., US
[72] GOTCH, JAMES E., US
[72] DORONY, CONNOR M., US
[72] ZABORSZKI, STEPHEN J., US
[72] MCCLURE, DOUGLAS J., US
[72] WELCH, DOUGLAS S., US
[72] KALATA, GREGORY S., US
[72] CAMPBELL, RONALD P., US
[71] SWAGELOK COMPANY, US
[85] 2017-10-23
[86] 2016-04-22 (PCT/US2016/028741)
[87] (WO2016/172408)
[30] US (62/151,465) 2015-04-23

---

[21] **2,983,778**
[13] A1
[51] **Int.Cl. D21F 1/32 (2006.01) B05B 15/10 (2006.01) D21F 7/00 (2006.01) D21H 23/50 (2006.01)**
[25] EN
[54] **SPRAYING APPARATUS AND CHEMICAL SOLUTION**
[54] **DISPOSITIF DE PULVERISATION ET SOLUTION CHIMIQUE**
[72] SEKIYA, HIROSHI, JP
[72] MORI, HIDEAKI, JP
[71] MAINTECH CO., LTD., JP
[85] 2017-10-24
[86] 2016-04-05 (PCT/JP2016/001918)
[87] (WO2016/174827)
[30] JP (2015-090883) 2015-04-27

---

[21] **2,983,779**
[13] A1
[51] **Int.Cl. B66D 1/28 (2006.01)**
[25] EN
[54] **LIFTING DEVICE, IN PARTICULAR A CABLE WINCH**
[54] **EQUIPEMENT DE LEVAGE, EN PARTICULIER CABLE DE TRANSMISSION**
[72] MOLL, OLIVER, DE
[72] UZUN, AHMET, DE
[71] TEREX MHPS GMBH, DE
[85] 2017-10-24
[86] 2016-05-25 (PCT/EP2016/061819)
[87] (WO2016/189043)
[30] DE (10 2015 108 265.9) 2015-05-26

---

[21] **2,983,781**
[13] A1
[51] **Int.Cl. A61F 2/46 (2006.01) A61F 2/30 (2006.01) A61F 2/34 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR INSERTING A LINER INTO AN ACETABULAR CUP**
[54] **DISPOSITIF ET PROCEDE PERMETTANT D'INSERER UNE GARNITURE DANS UNE COUPELLE ACETABULAIRE**
[72] BAILEY, ANDREW, GB
[72] MOORE, GARY, GB
[71] DEPUY IRELAND UNLIMITED COMPANY, IE
[85] 2017-10-24
[86] 2016-04-27 (PCT/EP2016/059371)
[87] (WO2016/174067)
[30] GB (1507211.9) 2015-04-28

---

[21] **2,983,782**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/407 (2006.01) A61P 27/02 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **BICYCLIC COMPOUNDS AS ATX INHIBITORS**
[54] **COMPOSES BICYCLIQUES UTILISES EN TANT QU'INHIBITEURS D'ATX**
[72] DI GIORGIO, PATRICK, CH
[72] HERT, JEROME, CH
[72] HUNZIKER, DANIEL, CH
[72] MATTEI, PATRIZIO, CH
[72] RUDOLPH, MARKUS, CH
[72] SCHMITZ, PETRA, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2017-10-24
[86] 2016-09-20 (PCT/EP2016/072243)
[87] (WO2017/050732)
[30] EP (15186645.6) 2015-09-24

---

[21] **2,983,783**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 38/20 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING ANAKINRA**
[54] **COMPOSITIONS COMPRENANT DE L'ANAKINRA**
[72] FLORIN-ROBERTSSON, EBBA, SE
[72] FRANSSON, JONAS, SE
[72] MOORE, BARRY D., GB
[71] SWEDISH ORPHAN BIOVITRUM AB (PUBL), SE
[85] 2017-10-24
[86] 2016-04-27 (PCT/EP2016/059398)
[87] (WO2016/174082)
[30] EP (15165421.7) 2015-04-28

[21] **2,983,785**
[13] A1
[51] **Int.Cl. C08L 53/00 (2006.01) B32B 27/30 (2006.01) C08F 297/02 (2006.01) C08K 5/10 (2006.01) C08K 5/521 (2006.01) C08L 63/00 (2006.01) C08L 67/00 (2006.01)**
[25] EN
[54] **LAMINATING ACRYLIC THERMOPLASTIC POLYMER COMPOSITIONS**
[54] **COMPOSITION DE POLYMERE THERMOPLASTIQUE ACRYLIQUE POUR STRATIFICATION**
[72] NAKADA, KANAYO, JP
[72] MORISHITA, YOSHIHIRO, JP
[72] OSHIMA, HIROSHI, JP
[71] KURARAY CO., LTD., JP
[85] 2017-10-24
[86] 2016-04-21 (PCT/JP2016/062610)
[87] (WO2016/175119)
[30] JP (2015-091629) 2015-04-28
[30] JP (2015-091630) 2015-04-28

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[21] **2,983,787**
[13] A1
[51] **Int.Cl. E21B 34/14 (2006.01) E21B 21/10 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **DOWNHOLE SEALING**
[54] **ETANCHEITE EN PROFONDEUR DE FORAGE**
[72] CHURCHILL, ANDREW PHILIP, GB
[71] CHURCHILL DRILLING TOOLS LIMITED, GB
[85] 2017-10-24
[86] 2016-04-29 (PCT/GB2016/051246)
[87] (WO2016/178004)
[30] GB (1507560.9) 2015-05-01
[30] GB (1521975.1) 2015-12-14

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[21] **2,983,788**
[13] A1
[51] **Int.Cl. C07D 295/14 (2006.01) C07C 227/04 (2006.01) C07C 227/42 (2006.01) C07C 229/48 (2006.01) C07C 229/52 (2006.01) C07D 227/04 (2006.01) A61K 31/4453 (2006.01) A61P 3/00 (2006.01) C07B 61/00 (2006.01) C07C 227/08 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING DICARBOXYLIC ACID COMPOUND**
[54] **PROCEDE DE PRODUCTION D'UN COMPOSE D'ACIDE DICARBOXYLIQUE**
[72] MURAKAMI, MASAYUKI (DECEASED), JP
[72] AKI, YUICHI, JP
[72] FUKATSU, DAISUKE, JP
[72] KIMURA, KENICHI, JP
[72] MICHIDA, MAKOTO, JP
[72] HAMAOKA, KOJI, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
[85] 2017-10-24
[86] 2016-04-22 (PCT/JP2016/062717)
[87] (WO2016/171240)
[30] JP (2015-088932) 2015-04-24

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[21] **2,983,790**
[13] A1
[51] **Int.Cl. B23P 19/00 (2006.01) B23P 19/04 (2006.01) B25J 13/08 (2006.01) G01B 11/00 (2006.01)**
[25] EN
[54] **ASSEMBLY MANUFACTURING APPARATUS AND ASSEMBLY MANUFACTURING METHOD**
[54] **APPAREIL ET PROCEDE D'ASSEMBLAGE ET DE FABRICATION**
[72] TOMBE, TOSHIHIRO, JP
[72] GOTO, NAOKI, JP
[72] HIRAI, MAKOTO, JP
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[85] 2017-10-24
[86] 2016-07-11 (PCT/JP2016/070379)
[87] (WO2017/073116)
[30] JP (2015-212038) 2015-10-28

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[21] **2,983,791**
[13] A1
[51] **Int.Cl. A61K 31/12 (2006.01) A23K 20/10 (2016.01) A23K 50/75 (2016.01) A61K 31/045 (2006.01) A61P 1/00 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **OXIDIZED CAROTENOIDS AND COMPONENTS THEREOF FOR PREVENTING NECROTIC ENTERITIS**
[54] **CAROTENOIDES OXYDES ET LEURS COMPOSANTS POUR LA PREVENTION DE L'ENTERITE NECROSANTE**
[72] BURTON, GRAHAM W., CA
[72] DAROSZEWSKI, JANUSZ, CA
[72] GROOME, CAMERON L., CA
[72] NICKERSON, JAMES G., CA
[72] RILEY, WILLIAM W., CA
[71] AVIVAGEN INC., CA
[85] 2017-10-24
[86] 2016-03-02 (PCT/CA2016/050226)
[87] (WO2016/172787)
[30] US (62/153,587) 2015-04-28

---

[21] **2,983,792**
[13] A1
[51] **Int.Cl. G02B 21/00 (2006.01) G01N 21/27 (2006.01)**
[25] EN
[54] **MICROSCOPE DEVICE**
[54] **DISPOSITIF MICROSCOPE**
[72] SUGANUMA, HIROSHI, JP
[72] OKUNO, TAKUYA, JP
[72] OKINA, YUNA, JP
[72] MOTOMURA, ASAKO, JP
[72] SUGIYAMA, YOKO, JP
[71] SUMITOMO ELECTRIC INDUSTRIES, LTD., JP
[85] 2017-10-24
[86] 2016-03-22 (PCT/JP2016/059005)
[87] (WO2016/174963)
[30] JP (2015-093072) 2015-04-30

[21] **2,983,793**
[13] A1
[51] **Int.Cl. E21B 29/00 (2006.01) E21B 7/06 (2006.01) E21B 29/06 (2006.01)**
[25] EN
[54] **CASING EXIT MILL ASSEMBLIES WITH REPLACEABLE BLADE SLEEVE**
[54] **ENSEMBLES BROYEURS A SORTIE DE TUBAGE COMPRENANT UN MANCHON A LAME REMPLACABLE**
[72] GHEGADMAL, TEJAS J., US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2017-10-23
[86] 2016-04-27 (PCT/US2016/029449)
[87] (WO2016/176259)
[30] US (14/698,320) 2015-04-28

---

[21] **2,983,794**
[13] A1
[51] **Int.Cl. A61K 38/16 (2006.01) A61K 35/14 (2015.01) A61K 38/00 (2006.01) C07K 1/00 (2006.01) C07K 14/00 (2006.01) C07K 16/00 (2006.01) C07K 17/00 (2006.01)**
[25] EN
[54] **METHODS TO MANIPULATE ALPHA-FETOPROTEIN (AFP)**
[54] **PROCEDES DE MANIPULATION DE L'ALPHA-F TOPROTEINE (AFP)**
[72] BLUMBERG, RICHARD, US
[72] BAKER, KRISTI, CA
[72] PYZIK, MICHAL, US
[72] GANDHI, AMIT, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2017-10-24
[86] 2015-04-21 (PCT/US2015/026860)
[87] (WO2015/164364)
[30] US (61/984,252) 2014-04-25
[30] US (62/101,539) 2015-01-09

---

[21] **2,983,796**
[13] A1
[51] **Int.Cl. G01N 33/53 (2006.01) C12Q 1/68 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING SUBJECTS WITH IMMUNE-MEDIATED DISEASES**
[54] **COMPOSITIONS ET DES PROCEDES POUR TRAITER DES PATIENTS AYANT DES MALADIES A MEDIATION IMMUNITAIRE**
[72] BLUMBERG, RICHARD S., US
[72] BAKER, KRISTI, CA
[72] RATH, TIMO, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2017-10-24
[86] 2015-04-23 (PCT/US2015/027295)
[87] (WO2015/164605)
[30] US (61/984,652) 2014-04-25

---

[21] **2,983,797**
[13] A1
[51] **Int.Cl. G06F 12/08 (2016.01) G06F 12/10 (2016.01)**
[25] EN
[54] **MULTI-THREADED TRANSLATION AND TRANSACTION RE-ORDERING FOR MEMORY MANAGEMENT UNITS**
[54] **TRADUCTION MULTIFILS ET REORDONNANCEMENT DE TRANSACTIONS POUR DES UNITES DE GESTION DE MEMOIRE**
[72] PODAIMA, JASON EDWARD, US
[72] WIERCIENSKI, PAUL CHRISTOPHER JOHN, US
[72] MOREIRA, CARLOS JAVIER, US
[72] MIRETSKY, ALEXANDER, US
[72] VARIA, MEGHAL, US
[72] ERNEWEIN, KYLE JOHN, US
[72] SOMASUNDARAM, MANOKANTHAN, US
[72] CHOUDRY, MUHAMMAD UMAR, US
[72] GADELRAB, SERAG MONIER, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-10-23
[86] 2016-04-27 (PCT/US2016/029502)
[87] (WO2016/195850)
[30] US (62/168,712) 2015-05-29
[30] US (14/859,351) 2015-09-20

---

[21] **2,983,799**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **BENCHMARKING THROUGH DATA MINING**
[54] **ETALONNAGE PAR EXPLORATION DE DONNEES**
[72] MOLE, TIM, NZ
[72] ANDERSON, GRANT, NZ
[71] XERO LIMITED, US
[85] 2017-10-24
[86] 2015-05-20 (PCT/US2015/031695)
[87] (WO2016/175869)
[30] US (14/696,925) 2015-04-27

---

[21] **2,983,800**
[13] A1
[51] **Int.Cl. G06F 9/46 (2006.01) G06F 9/48 (2006.01) G06F 11/07 (2006.01)**
[25] EN
[54] **BANDWIDTH/RESOURCE MANAGEMENT FOR MULTITHREADED PROCESSORS**
[54] **GESTION DE LARGEUR DE BANDE/RESSOURCES POUR PROCESSEURS MULTIFILIERES**
[72] GADELRAB, SERAG MONIER, US
[72] KOOB, CHRISTOPHER EDWARD, US
[72] BOOTH, SIMON, US
[72] BALATSOS, ARIS, US
[72] KUAN, JOHNNY JONE WAI, US
[72] RAMKUMAR, MYIL, US
[72] PABLA, BHUPINDER SINGH, US
[72] SWEENEY, SEAN DAVID, US
[72] PATSILARAS, GEORGE, US
[71] QUALCOMM INCORPORATED, US
[85] 2017-10-23
[86] 2016-04-27 (PCT/US2016/029530)
[87] (WO2016/195851)
[30] US (62/168,708) 2015-05-29
[30] US (14/866,012) 2015-09-25

[21] **2,983,804**
[13] A1
[51] **Int.Cl. B01F 3/08 (2006.01) B82Y 40/00 (2011.01) B01F 5/00 (2006.01) B81B 1/00 (2006.01)**
[25] EN
[54] **DISPOSABLE MICROFLUIDIC CARTRIDGE**
[54] **CARTOUCHE MICROFLUIDIQUE JETABLE**
[72] WILD, ANDRE, CA
[72] LEAVER, TIMOTHY, CA
[72] WALSH, COLIN, US
[72] HEUCK, GESINE, CA
[72] THOMAS, ANITHA, CA
[72] ANSARI, AYSHA, CA
[72] OU, KEVIN, CA
[72] TAYLOR, R. JAMES, CA
[72] RAMSEY, EUAN, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2017-10-23
[86] 2016-04-28 (PCT/US2016/029879)
[87] (WO2016/176505)
[30] US (62/154,043) 2015-04-28
[30] US (62/275,630) 2016-01-06

---

[21] **2,983,805**
[13] A1
[51] **Int.Cl. G01N 27/00 (2006.01) G01N 27/62 (2006.01) G01N 27/64 (2006.01) G01N 30/96 (2006.01)**
[25] EN
[54] **DOPANTS FOR THE DETECTION OF NITRATES**
[54] **DOPANTS POUR LA DETECTION DE NITRATES**
[72] HENDRIKSE, JAN, CA
[72] ROMANOV, VLADIMIR, CA
[72] VERKERK, UDO, CA
[72] HOPKINSON, ALAN, CA
[71] SMITHS DETECTION MONTREAL INC., CA
[85] 2017-10-24
[86] 2016-04-28 (PCT/IB2016/052408)
[87] (WO2016/174605)
[30] GB (1507246.5) 2015-04-28

---

[21] **2,983,806**
[13] A1
[51] **Int.Cl. G01N 1/04 (2006.01) G01N 1/10 (2006.01) G01N 21/01 (2006.01) G01N 21/63 (2006.01) G01N 27/00 (2006.01)**
[25] EN
[54] **PORTABLE ORGANIC MOLECULAR SENSING DEVICE AND RELATED SYSTEMS AND METHODS**
[54] **DISPOSITIF PORTABLE DE DETECTION MOLECULAIRE ORGANIQUE ET SYSTEMES ET PROCEDES ASSOCIES**
[72] WOLTER, HEINZ, CA
[72] LEYN, ALEXANDER, CA
[72] FISHER, MICHAEL, CA
[72] BORG, ERIK HELGE, SE
[72] OSUCH, CHRISTOPHER, CA
[72] VILK, GREGORY JOHN ADAMS, CA
[72] WRIGHT, EVAN, CA
[72] BLANCHARD, DARIAN, CA
[71] ATERICA INC., CA
[85] 2017-10-24
[86] 2016-04-28 (PCT/CA2016/050492)
[87] (WO2016/172800)
[30] US (62/153,922) 2015-04-28

---

[21] **2,983,807**
[13] A1
[51] **Int.Cl. E21B 33/138 (2006.01) C04B 40/06 (2006.01) E21B 33/13 (2006.01) E21B 33/14 (2006.01) E21B 34/10 (2006.01)**
[25] EN
[54] **FLUID COMMUNICATION WITH AN EARTH FORMATION THROUGH CEMENT**
[54] **COMMUNICATION FLUIDIQUE AVEC UNE FORMATION SOUTERRAINE A TRAVERS DU CIMENT**
[72] WATSON, BROCK W., US
[72] SCHULTZ, ROGER L., US
[72] FERGUSON, ANDREW M., US
[71] THRU TUBING SOLUTIONS, INC., US
[85] 2017-10-23
[86] 2016-04-29 (PCT/US2016/030107)
[87] (WO2016/178995)
[30] US (14/705,688) 2015-05-06

---

[21] **2,983,808**
[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) A01N 63/00 (2006.01) C12N 15/00 (2006.01)**
[25] EN
[54] **SMAD7 GENE DELIVERY AS A THERAPEUTIC**
[54] **LIBERATION DE GENE SMAD7 EN TANT QU'AGENT THERAPEUTIQUE**
[72] RODGERS, BUEL DANTESE, US
[72] GREGOREVIC, PAUL, AU
[71] WASHINGTON STATE UNIVERSITY, US
[71] BAKER HEART AND DIABETES INSTITUTE, AU
[85] 2017-10-23
[86] 2016-04-22 (PCT/US2016/029018)
[87] (WO2016/172608)
[30] US (62/151,547) 2015-04-23

---

[21] **2,983,809**
[13] A1
[51] **Int.Cl. B29C 63/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR APPLICATION OF THERMOSETTING TAPE ON SURFACES**
[54] **PROCEDE ET APPAREIL POUR L'APPLICATION D'UN RUBAN ADHESIF THERMOCOLLANT SUR DES SURFACES**
[72] MARTIN, YVES, CA
[72] HOULE, CLAUDE, CA
[72] LONGPRE, YANNICK, CA
[72] NADEAU, NICOLAS, CA
[71] MI INTEGRATION S.E.N.C., CA
[85] 2017-10-24
[86] 2016-09-20 (PCT/CA2016/051099)
[87] (WO2017/049390)
[30] US (62/221,175) 2015-09-21

---

[21] **2,983,810**
[13] A1
[51] **Int.Cl. G03G 21/14 (2006.01) B41J 2/175 (2006.01) G06F 3/12 (2006.01)**
[25] EN
[54] **IMAGING SUPPLIES**
[54] **SOURCES DE FORMATION D'IMAGE**
[72] JERAN, PAUL, US
[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US
[85] 2017-10-24
[86] 2015-07-31 (PCT/US2015/043248)
[87] (WO2017/023273)

[21] **2,983,811**
[13] A1
[51] **Int.Cl. E21B 43/12 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **AUTONOMOUS FLOW CONTROL DEVICE AND METHOD FOR CONTROLLING FLOW**
[54] **DISPOSITIF DE REGULATION D'ECOULEMENT AUTONOME ET PROCEDE DE REGULATION D'ECOULEMENT**
[72] GONZALEZ, JOSE RAFAEL, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2017-10-24
[86] 2016-03-29 (PCT/US2016/024643)
[87] (WO2016/175965)
[30] US (14/699,444) 2015-04-29

[21] **2,983,812**
[13] A1
[51] **Int.Cl. A61L 15/22 (2006.01) A61L 31/00 (2006.01) C08J 5/18 (2006.01)**
[25] EN
[54] **POLYMER FILM, AND DISPERSION LIQUID AND AGGLOMERATE USING SAME**
[54] **FILM POLYMERE, ET DISPERSION LIQUIDE ET AGGLOMERAT UTILISANT CELUI-CI**
[72] HOCHI, MOTONORI, JP
[72] SEKIDO, YUKI, JP
[72] ITAGAKI, ICHIRO, JP
[72] ARAKANE, TORU, JP
[72] OHTSUBO, SHINYA, JP
[72] TAKEOKA, SHINJI, JP
[72] MURATA, ATSUSHI, JP
[72] FUJII, MAO, JP
[72] ISHIZUKA, YUYA, JP
[72] SHOJI, SHUICHI, JP
[72] MIZUNO, JUN, JP
[72] KASAHARA, TAKASHI, JP
[71] TORAY INDUSTRIES, INC., JP
[71] NANOTHETA CO, LTD., JP
[85] 2017-10-24
[86] 2016-05-11 (PCT/JP2016/063946)
[87] (WO2016/181977)
[30] JP (2015-096305) 2015-05-11

[21] **2,983,813**
[13] A1
[51] **Int.Cl. G10L 19/08 (2013.01)**
[25] EN
[54] **AUDIO ENCODER AND METHOD FOR ENCODING AN AUDIO SIGNAL**
[54] **CODEUR AUDIO ET PROCEDE DE CODAGE D'UN SIGNAL AUDIO**
[72] BAECKSTROEM, TOM, DE
[72] JOKINEN, EMMA, FI
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUND DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2017-09-29
[86] 2016-04-06 (PCT/EP2016/057514)
[87] (WO2016/162375)
[30] EP (15163055.5) 2015-04-09

[21] **2,983,814**
[13] A1
[51] **Int.Cl. H01M 4/96 (2006.01) D04H 1/4242 (2012.01) H01M 4/86 (2006.01) H01M 4/88 (2006.01) H01M 8/10 (2016.01)**
[25] EN
[54] **GAS DIFFUSION ELECTRODE SUBSTRATE AND METHOD FOR MANUFACTURING SAME, GAS DIFFUSION ELECTRODE, MEMBRANE ELECTRODE ASSEMBLY, AND POLYMER ELECTROLYTE FUEL CELL**
[54] **SUBSTRAT D'ELECTRODE DE DIFFUSION DE GAZ ET PROCEDE PERMETTANT DE FABRIQUER CE DERNIER, ELECTRODE DE DIFFUSION DE GAZ, ENSEMBLE MEMBRANE-ELECTRODE ET PILE A COMBUSTIBLE A POLYMERESOLIDE**
[72] KAJIWARA, KENTARO, JP
[72] SHIMOYAMA, SATORU, JP
[72] HORINOUCHI, AYANOBU, JP
[72] HORIGUCHI, TOMOYUKI, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2017-10-24
[86] 2016-05-27 (PCT/JP2016/065725)
[87] (WO2016/208324)
[30] JP (2015-128653) 2015-06-26

[21] **2,983,815**
[13] A1
[51] **Int.Cl. E02B 9/00 (2006.01) E02B 9/02 (2006.01) E02B 9/08 (2006.01)**
[25] EN
[54] **CONSTRUCTION METHOD FOR TIDAL POWER GENERATION SYSTEM CAPABLE OF MULTIPLE-FLOW POWER GENERATION FROM INSTALLATION OF UNIFLOW GENERATOR**
[54] **PROCEDE DE CONSTRUCTION POUR SYSTEME DE GENERATION D'ENERGIE MAREMOTRICE POUVANT GENERER DE L'ENERGIE A FLUX MULTIPLES A PARTIR D'INSTALLATION DE GENERATEUR DE FLUX UNIQUE**
[72] PARK, SUN SEOK, KR
[71] HAE YANG BOKLUBALJERN, LP, KR
[85] 2017-10-24
[86] 2016-05-18 (PCT/KR2016/005260)
[87] (WO2016/186446)
[30] KR (10-2015-0070188) 2015-05-20
[30] KR (10-2016-0059359) 2016-05-16

[21] **2,983,817**
[13] A1
[51] **Int.Cl. B25B 13/46 (2006.01) B25B 13/06 (2006.01) B25B 23/00 (2006.01)**
[25] EN
[54] **RATCHET WRENCH WITH A LOCKING RELEASE ASSEMBLY**
[54] **CLE A CLIQUET DOTEE D'UN ENSEMBLE DE LIBERATION DE VERROUILLAGE**
[72] MOREAU, DARRELL A., US
[72] MOREAU, ANDRE W., US
[72] MOREAU, REGINALD, US
[72] BACHMAN, BEN, US
[71] TY-FLOT, INC., US
[85] 2017-10-24
[86] 2016-04-15 (PCT/US2016/027826)
[87] (WO2016/172007)
[30] US (14/695,383) 2015-04-24

[21] **2,983,819**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **AMPLIFICATION WITH PRIMERS OF LIMITED NUCLEOTIDE COMPOSITION**
[54] **AMPLIFICATION AVEC DES AMORCES DE COMPOSITION NUCLEOTIDIQUE LIMITEE**
[72] WANG, YOUXIANG, US
[72] YANG, ZHIJIE, US
[72] CHEN, XIN, US
[71] ATILA BIOSYSTEMS, INC, US
[85] 2017-10-24
[86] 2016-04-22 (PCT/US2016/029054)
[87] (WO2016/172632)
[30] US (62/152,756) 2015-04-24

---

[21] **2,983,820**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR THE DETECTION OF CALR MUTATIONS IN MYELOPROLIFERATIVE DISEASES**
[54] **PROCEDES ET COMPOSITIONS UTILISABLES POUR LA DETECTION DE MUTATIONS AFFECTANT LE GENE CALR DANS LES MALADIES MYELOPROLIFERATIVES**
[72] WANG, YONGBAO, US
[72] JONES, DANIEL, US
[71] QUEST DIAGNOSTICS INVESTMENTS INCORPORATED, US
[85] 2017-10-23
[86] 2016-04-22 (PCT/US2016/028877)
[87] (WO2016/172505)
[30] US (62/151,742) 2015-04-23

---

[21] **2,983,821**
[13] A1
[51] **Int.Cl. C12M 1/02 (2006.01)**
[25] EN
[54] **DEVICES FOR SIMULATING A FUNCTION OF A TISSUE AND METHODS OF USE AND MANUFACTURING THEREOF**
[54] **DISPOSITIFS DE SIMULATION D'UNE FONCTION D'UN TISSU ET LEURS PROCEDES D'UTILISATION ET FABRICATION**
[72] INGBER, DONALD E., US
[72] VAN DER MEER, ANDRIES, NL
[72] HERLAND, ANNA, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2017-10-24
[86] 2016-04-25 (PCT/US2016/029164)
[87] (WO2017/003546)
[30] US (62/152,355) 2015-04-24
[30] US (62/299,340) 2016-02-24

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[21] **2,983,822**
[13] A1
[51] **Int.Cl. A61L 15/16 (2006.01) A61F 13/02 (2006.01) A61F 13/36 (2006.01) A61L 15/22 (2006.01) A61M 1/00 (2006.01)**
[25] EN
[54] **WOUND PACKING MATERIAL COMPRISING CHEMOEFFECTOR**
[54] **MATERIAU A APPLIQUER SUR DES PLAIES COMPRENANT UN CHIMIOEFFECTEUR**
[72] KUBEK, EDWARD W., US
[71] CHEMOKIND, INC., US
[85] 2017-10-24
[86] 2016-04-25 (PCT/US2016/029217)
[87] (WO2016/176147)
[30] US (62/152,871) 2015-04-25
[30] US (62/240,838) 2015-10-13

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[21] **2,983,823**
[13] A1
[51] **Int.Cl. A61K 36/82 (2006.01) A61K 36/48 (2006.01)**
[25] EN
[54] **PLANT EXTRACTS FOR THE TREATMENT OF EXCESS WEIGHT AND OBESITY**
[54] **EXTRAITS VEGETAUX DESTINES AU TRAITEMENT DE L'EXCES PONDERAL ET DE L'OBESITE**
[72] BIRKETVEDT, GRETHE STOA, US
[71] TRU-SCIENCE, LLC, US
[85] 2017-10-24
[86] 2016-04-25 (PCT/US2016/029234)
[87] (WO2016/172717)
[30] US (62/152,567) 2015-04-24

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[21] **2,983,825**
[13] A1
[51] **Int.Cl. G01B 3/10 (2006.01) B26B 29/00 (2006.01) B26B 29/06 (2006.01)**
[25] EN
[54] **TAPE MEASURE DEVICE AND ATTACHMENT FOR MEASURING AND CUTTING DRYWALL**
[54] **DISPOSITIF DE METRE RUBAN ET FIXATION POUR MESURER ET DECOUPER UNE CLOISON SECHE**
[72] DEUTSCHER, EDWARD, US
[71] DEUTSCHER, EDWARD, US
[85] 2017-10-24
[86] 2016-04-27 (PCT/US2016/029464)
[87] (WO2016/176269)
[30] US (14/696,602) 2015-04-27
[30] US (14/933,868) 2015-11-05

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[21] **2,983,827**
[13] A1
[51] **Int.Cl. B03C 1/0355 (2006.01) B03C 1/14 (2006.01) B03C 1/28 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CONDITIONING FLUIDS**
[54] **PROCEDE ET APPAREIL DE CONDITIONNEMENT DE FLUIDES**
[72] HOLLAND, HERBERT WILLIAM, US
[71] WILSA HOLDINGS, LLC, US
[85] 2017-10-24
[86] 2016-04-29 (PCT/US2016/030192)
[87] (WO2016/176611)
[30] US (62/154,974) 2015-04-30

[21] **2,983,830**
[13] A1
[51] **Int.Cl. C02F 1/30 (2006.01) A01N 59/00 (2006.01) A01P 1/00 (2006.01) A23L 3/3454 (2006.01) A23L 3/358 (2006.01) A61F 2/08 (2006.01) B01J 13/00 (2006.01) B01J 19/12 (2006.01) C02F 1/50 (2006.01) C02F 1/76 (2006.01)**
[25] EN
[54] **LIQUID TREATMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT D'UN LIQUIDE**
[72] BAUER, WALTER JACOB, CA
[71] EBED HOLDINGS INC., CA
[85] 2017-10-24
[86] 2016-04-25 (PCT/CA2016/050479)
[87] (WO2016/168943)
[30] US (62/152,648) 2015-04-24
[30] US (62/194,567) 2015-07-20

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[21] **2,983,831**
[13] A1
[51] **Int.Cl. A01G 7/06 (2006.01) A01N 3/02 (2006.01) A01N 59/00 (2006.01) A23B 7/14 (2006.01) A23B 7/144 (2006.01) A23B 7/152 (2006.01) A23L 3/34 (2006.01)**
[25] EN
[54] **METHODS OF USE OF PURIFIED HYDROGEN PEROXIDE GAS IN AGRICULTURAL PRODUCTION, TRANSPORT, AND STORAGE**
[54] **PROCEDES D'UTILISATION DE PEROXYDE D'HYDROGENE GAZEUX PURIFIE DANS LA PRODUCTION, LE TRANSPORT ET LE STOCKAGE AGRICOLES**
[72] LEE, JAMES D., US
[72] BOSMA, DOUGLAS J., US
[71] SYNEXIS LLC, US
[85] 2017-10-24
[86] 2016-04-28 (PCT/US2016/029847)
[87] (WO2016/176486)
[30] US (62/154,472) 2015-04-29

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[21] **2,983,832**
[13] A1
[51] **Int.Cl. A61K 35/12 (2015.01) C12N 5/071 (2010.01) A61K 39/395 (2006.01)**
[25] EN
[54] **EXTRACELLULAR MATRIX COMPOSITIONS FOR THE TREATMENT OF CANCER OR IMMUNO LOGICAL DISEASES**
[54] **COMPOSITION DE MATRICE EXTRACELLULAIRE POUR LE TRAITEMENT DU CANCER OU DES MALADIES IMMUNOLOGIQUES**
[72] NAUGHTON, GAIL K., US
[72] ZEIGLER, FRANK, US
[72] PINNEY, EMMETT, US
[71] HISTOGEN, INC., US
[85] 2017-10-24
[86] 2016-04-29 (PCT/US2016/030204)
[87] (WO2016/176620)
[30] US (62/155,360) 2015-04-30

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[21] **2,983,833**
[13] A1
[51] **Int.Cl. A61B 5/145 (2006.01) G06F 19/12 (2011.01) H04B 17/26 (2015.01) G01N 33/49 (2006.01) G06F 17/18 (2006.01)**
[25] EN
[54] **DIAGNOSTIC METHODS**
[54] **METHODES DE DIAGNOSTIC**
[72] ELTOUKHY, HELMY, US
[72] TALASAZ, AMIRALI, US
[71] GUARDANT HEALTH, INC., US
[85] 2017-10-24
[86] 2016-04-29 (PCT/US2016/030301)
[87] (WO2016/179049)
[30] US (62/155,755) 2015-05-01

---

[21] **2,983,860**
[13] A1
[51] **Int.Cl. G01C 19/5719 (2012.01) G01C 25/00 (2006.01)**
[25] EN
[54] **VIBRATORY GYROSCOPE UTILIZING A NONLINEAR MODAL INTERACTION**
[54] **GYROSCOPE VIBRATOIRE EMPLOYANT UNE INTERACTION MODALE NON LINEAIRE**
[72] BAHREYNI, BEHRAAD, CA
[72] GOLNARAGHI, FARID, CA
[72] LAJIMI, S. AMIR MOUSAVI, CA
[72] MARZOUK, AMR, CA
[72] NOORI, NAVID, CA
[72] POOYANFAR, OLDOOZ, CA
[72] SARRAFAN, ATABAK, CA
[71] SIMON FRASER UNIVERSITY, CA
[85] 2017-10-23
[86] 2016-05-09 (PCT/CA2016/050534)
[87] (WO2016/179698)
[30] US (62/159,054) 2015-05-08

---

[21] **2,983,864**
[13] A1
[51] **Int.Cl. G06Q 40/00 (2012.01) G06Q 10/04 (2012.01)**
[25] EN
[54] **MARKOV DECISION PROCESS-BASED DECISION SUPPORT TOOL FOR FINANCIAL PLANNING, BUDGETING, AND FORECASTING**
[54] **OUTIL DE SUPPORT DE DECISION A BASE DE PROCESSUS DE DECISION DE MARKOV POUR PLANIFICATION FINANCIERE, BUDGETISATION, ET PREVISION**
[72] HAGELL, DONALD, CA
[71] ASTIR TECHNOLOGIES, INC., CA
[85] 2016-10-20
[86] 2016-06-21 (PCT/CA2016/050725)
[87] (WO2017/079824)
[30] US (62/253,233) 2015-11-10

[21] **2,983,867**
[13] A1
[51] **Int.Cl. E21B 43/117 (2006.01)**
[25] EN
[54] **APPARATUS FOR ELECTROMECHANICALLY CONNECTING A PLURALITY OF GUNS FOR WELL PERFORATION**
[54] **APPAREIL DESTINE DESTINE A LA CONNEXION ELECTROMECANIQUE D'UNE PLURALITE DE PERFORATEURS DE PUITS**
[72] GOYENECHE, SERGIO F., US
[71] GOYENECHE, SERGIO F., US
[85] 2017-10-24
[86] 2015-05-15 (PCT/US2015/031047)
[87] (WO2016/186611)

---

[21] **2,983,872**
[13] A1
[51] **Int.Cl. A47J 31/44 (2006.01) A47J 31/24 (2006.01) G01N 21/55 (2014.01)**
[25] EN
[54] **SIGNAL AND DETECTION SYSTEM FOR PAIRING PRODUCTS**
[54] **SYSTEME DE SIGNAL ET DE DETECTION POUR ASSOCIATION DE PRODUITS**
[72] HACKNEY, ROBERT STEVEN, CA
[72] ZOSIMADIS, PETER, CA
[71] SMART WAVE TECHNOLOGIES CORP., CA
[85] 2017-10-24
[86] 2016-05-06 (PCT/CA2016/050524)
[87] (WO2016/176779)
[30] US (62/158,414) 2015-05-07

---

[21] **2,983,874**
[13] A1
[51] **Int.Cl. C12N 1/21 (2006.01) C12N 7/01 (2006.01) C12N 15/63 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR EFFICIENT DELIVERY OF NUCLEIC ACIDS AND RNA-BASED ANTIMICROBIALS**
[54] **PROCEDES ET COMPOSITIONS PERMETTANT UNE DELIVRANCE EFFICACE D'ACIDES NUCLEIQUES ET D'ANTIMICROBIENS A BASE D'ARN**
[72] BEISEL, CHASE LAWRENCE, US
[72] GOMAA, AHMED ABDELSHAFY MAHMOUD, US
[72] LUO, MICHELLE, US
[71] NORTH CAROLINA STATE UNIVERSITY, US
[85] 2017-10-24
[86] 2016-06-15 (PCT/US2016/037493)
[87] (WO2016/205276)
[30] US (62/175,749) 2015-06-15

---

[21] **2,983,878**
[13] A1
[51] **Int.Cl. B01D 25/32 (2006.01) B01D 25/12 (2006.01) B01D 25/127 (2006.01) B01D 25/164 (2006.01)**
[25] EN
[54] **ROTARY AND LATERALLY TRANSLATING WASHER FOR FILTER PRESSES AND METHODS THEREOF**
[54] **RONDELLE ET DEPLACER LATERALEMENT ROTATIF POUR FILTRES-PRESSES ET PROCEDES DE CEUX-CI**
[72] MORRIS, THOMAS, US
[72] SHARP, JEFFREY A., US
[71] FLSMIDTH A/S, DK
[85] 2017-10-24
[86] 2016-05-05 (PCT/US2016/031014)
[87] (WO2016/179408)
[30] US (62/157,386) 2015-05-05

---

[21] **2,983,880**
[13] A1
[51] **Int.Cl. G06F 7/60 (2006.01)**
[25] EN
[54] **QUANTON REPRESENTATION FOR EMULATING QUANTUM-LIKE COMPUTATION ON CLASSICAL PROCESSORS**
[54] **REPRESENTATION QUANTON PERMETTANT D'EMULER UN CALCUL DE TYPE QUANTIQUE SUR DES PROCESSEURS CLASSIQUES**
[72] MAJUMDAR, ARUN, US
[71] KYNDI, INC., US
[85] 2017-10-24
[86] 2016-05-05 (PCT/US2016/031034)
[87] (WO2016/179419)
[30] US (62/156,955) 2015-05-05

---

[21] **2,983,881**
[13] A1
[51] **Int.Cl. H04N 19/14 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR INTRA BLOCK COPY REFERENCE LIST CONSTRUCTION**
[54] **PROCEDE ET APPAREIL DE CONSTRUCTION DE LISTE DE REFERENCE DE COPIE BLOC INTRA-IMAGE**
[72] XU, XIAOZHONG, US
[72] LIU, SHAN, US
[71] HFI INNOVATION INC., TW
[85] 2017-10-25
[86] 2016-04-29 (PCT/CN2016/080587)
[87] (WO2016/173519)
[30] US (62/154,373) 2015-04-29
[30] US (62/169,698) 2015-06-02
[30] US (62/182,685) 2015-06-22
[30] US (62/183,799) 2015-06-24

PCT Applications Entering the National Phase

[21] **2,983,882**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2006.01)**
[25] EN
[54] **MULTIPROCESSOR PIPELINE ARCHITECTURE**
[54] **ARCHITECTURE PIPELINE DE MULTIPROCESSEUR**
[72] HELGESEN, SCOTT E., US
[72] MILLETTI, MARCO, US
[72] LAKATA, MARK T., US
[72] LABRENZ, JAMES N., US
[71] PACIFIC BIOSCIENCES OF CALIFORNIA, INC., US
[85] 2017-10-24
[86] 2016-05-05 (PCT/US2016/031063)
[87] (WO2016/179437)
[30] US (62/158,078) 2015-05-07
[30] US (62/260,995) 2015-11-30

---

[21] **2,983,884**
[13] A1
[51] **Int.Cl. A61L 2/00 (2006.01) A61L 2/04 (2006.01) A61L 2/10 (2006.01) B01J 19/00 (2006.01)**
[25] EN
[54] **METHOD FOR CONTINUOUS VIRUS INACTIVATION IN A MICROREACTOR**
[54] **PROCEDE D'INACTIVATION VIRALE CONTINUE DANS UN MICROREACTEUR**
[72] SCHWAN, PETER, DE
[72] VESTER, ANDREA, DE
[72] LOBEDANN, MARTIN, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2017-10-25
[86] 2016-04-25 (PCT/EP2016/059169)
[87] (WO2016/173982)
[30] EP (15165505.7) 2015-04-28

---

[21] **2,983,891**
[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01) H04N 21/236 (2011.01) H04N 21/438 (2011.01)**
[25] EN
[54] **IPTV IN MANAGED NETWORKS**
[54] **TELEVISION SUR PROTOCOLE INTERNET DANS DES RESEAUX GERES**
[72] SLJIVIC, NENAD, RS
[72] CRVENKOVIC, NIKOLA, RS
[71] NXT SOLUTIONS AG, CH
[85] 2017-10-25
[86] 2016-04-26 (PCT/EP2016/059258)
[87] (WO2016/184646)
[30] IT (102015000016003) 2015-05-20

---

[21] **2,983,892**
[13] A1
[51] **Int.Cl. C08G 18/75 (2006.01) B05D 7/00 (2006.01) C08G 18/08 (2006.01) C08G 18/10 (2006.01) C08G 18/42 (2006.01) C09D 175/00 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING A MULTICOAT PAINT SYSTEM**
[54] **PROCEDE DE PRODUCTION D'UN SYSTEME DE PEINTURE MULTICOUCHE**
[72] ANDERSEN, AUDREE, DE
[72] REUTER, HARDY, DE
[72] RATZ, ROLAND, DE
[72] BUERMANN, MARITA, DE
[72] BAUER, JURGEN, DE
[72] DIEPENBROCK, VERA, DE
[72] WINNEN, SINA, DE
[71] BASF COATINGS GMBH, DE
[85] 2017-10-17
[86] 2016-03-30 (PCT/EP2016/056894)
[87] (WO2016/177514)
[30] EP (15166539.5) 2015-05-06

---

[21] **2,983,893**
[13] A1
[51] **Int.Cl. A01H 5/10 (2006.01) C07K 14/415 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **BRASSICA PLANTS WITH MODIFIED SEED OIL COMPOSITION**
[54] **PLANTES DU GENRE BRASSICA ET COMPOSITION D'HUILE DE GRAINES MODIFIEES**
[72] DENOLF, PETER, BE
[72] LAGA, BENJAMIN, BE
[71] BAYER CROPSCIENCE NV, BE
[85] 2017-10-25
[86] 2016-04-28 (PCT/EP2016/059460)
[87] (WO2016/174119)
[30] EP (15165478.7) 2015-04-28

---

[21] **2,983,894**
[13] A1
[51] **Int.Cl. C12N 15/63 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **UNCOUPLING GROWTH AND PROTEIN PRODUCTION**
[54] **CROISSANCE DE DECOUPLAGE ET PRODUCTION DE PROTEINES**
[72] MAIRHOFER, JURGEN, AT
[72] STRIEDNER, GERALD, AT
[72] GRABHERR, REINGARD, AT
[72] WILDE, MONIKA, AT
[71] ENGENES BIOTECH GMBH, AT
[85] 2017-10-25
[86] 2016-04-29 (PCT/EP2016/059597)
[87] (WO2016/174195)
[30] LU (92705) 2015-04-30
[30] EP (15190078.4) 2015-10-16

---

[21] **2,983,895**
[13] A1
[51] **Int.Cl. G01D 5/04 (2006.01) E21B 47/08 (2012.01)**
[25] EN
[54] **CALIPER TOOL WITH POSITIVE PIVOTING ARM**
[54] **OUTIL D'ETRIER A BRAS PIVOTANT POSITIF**
[72] OHMER, HERVE, US
[72] MAYFIELD, MONTY D., US
[71] PROBE HOLDINGS, INC., US
[85] 2017-10-25
[86] 2016-04-29 (PCT/US2016/029932)
[87] (WO2016/178939)
[30] US (62/155,993) 2015-05-01

---

[21] **2,983,896**
[13] A1
[51] **Int.Cl. H04W 40/14 (2009.01) H04B 17/00 (2015.01)**
[25] EN
[54] **SEARCH AND RESCUE SYSTEM**
[54] **SYSTEME DE RECHERCHE/SAUVETAGE**
[72] KAIO, DAISUKE, JP
[71] SKYROBOT INC., JP
[85] 2017-10-25
[86] 2015-03-11 (PCT/JP2015/001345)
[87] (WO2016/142967)

[21] **2,983,897**
[13] A1
[51] **Int.Cl. E21B 34/14 (2006.01) E21B 21/10 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **DOWNHOLE SEALING AND ACTUATION**
[54] **ETANCHEITE ET ACTIONNEMENT EN PROFONDEUR DE FORAGE**
[72] CHURCHILL, ANDREW PHILIP, GB
[71] CHURCHILL DRILLING TOOLS LIMITED, GB
[85] 2017-10-25
[86] 2016-04-29 (PCT/GB2016/051248)
[87] (WO2016/178005)
[30] GB (1507560.9) 2015-05-01
[30] GB (1521975.1) 2015-12-14

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[21] **2,983,898**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 25/00 (2006.01) A61P 37/02 (2006.01) C07K 16/46 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **RGMA BINDING PROTEIN AND USE THEREOF**
[54] **PROTEINE DE LIAISON A RGMA ET SON UTILISATION**
[72] HASHIMOTO, MOTONORI, JP
[72] YAMASHITA, TOSHIHIDE, JP
[71] MITSUBISHI TANABE PHARMA CORPORATION, JP
[71] OSAKA UNIVERSITY, JP
[71] NATIONAL UNIVERSITY CORPORATION CHIBA UNIVERSITY, JP
[85] 2017-10-25
[86] 2016-04-27 (PCT/JP2016/063166)
[87] (WO2016/175236)
[30] JP (2015-091095) 2015-04-28

---

[21] **2,983,899**
[13] A1
[51] **Int.Cl. F16K 15/18 (2006.01) B62D 55/30 (2006.01) F15B 15/20 (2006.01) F15B 15/26 (2006.01) F16K 15/04 (2006.01)**
[25] EN
[54] **TRACK TENSIONER**
[54] **TENDEUR DE CHENILLE**
[72] TOKACH, THOMAS J., US
[72] COOMBS, JASON R., US
[71] CLARK EQUIPMENT COMPANY, US
[85] 2017-10-25
[86] 2016-04-29 (PCT/US2016/030217)
[87] (WO2016/176627)
[30] US (62/154,406) 2015-04-29

---

[21] **2,983,900**
[13] A1
[51] **Int.Cl. C08L 23/14 (2006.01)**
[25] EN
[54] **PROPYLENE COPOLYMER COMPOSITION**
[54] **COMPOSITION DE COPOLYMERE DE PROPYLENE**
[72] BRAUN, HERMANN, AT
[72] BORAGNO, LUCA, AT
[72] BERNREITNER, KLAUS, AT
[72] MARTIN, SANNA, FI
[72] SUIKKANEN, TIINA, FI
[72] STADLBAUER, WOLFRAM, AT
[71] BOREALIS AG, AT
[85] 2017-10-25
[86] 2016-05-13 (PCT/EP2016/060853)
[87] (WO2016/192960)
[30] EP (15169897.4) 2015-05-29

---

[21] **2,983,901**
[13] A1
[51] **Int.Cl. E02F 9/22 (2006.01)**
[25] EN
[54] **RIDE CONTROL SYSTEM FOR POWER MACHINE**
[54] **SYSTEME DE COMMANDE DE DEPLACEMENT POUR MACHINE MOTRICE**
[72] DUPPONG, GERALD J., US
[72] KRAUSE, TREVOR W., US
[71] CLARK EQUIPMENT COMPANY, US
[85] 2017-10-25
[86] 2016-04-29 (PCT/US2016/030016)
[87] (WO2016/176547)
[30] US (62/154,598) 2015-04-29

---

[21] **2,983,902**
[13] A1
[51] **Int.Cl. F01D 11/04 (2006.01) F02C 7/28 (2006.01) F16J 15/40 (2006.01)**
[25] EN
[54] **SEAL ARRANGEMENT IN A TURBINE AND METHOD FOR CONFINING THE OPERATING FLUID**
[54] **ARRANGEMENT DE JOINTS D'ETANCHEITE DANS UNE TURBINE ET PROCEDE POUR CONFINER LE FLUIDE DE TRAVAIL**
[72] GAIA, MARIO, IT
[72] BINI, ROBERTO, IT
[71] TURBODEN SPA, IT
[85] 2017-10-25
[86] 2016-06-08 (PCT/IB2016/053365)
[87] (WO2016/207761)
[30] IT (102015000026784) 2015-06-23

---

[21] **2,983,903**
[13] A1
[51] **Int.Cl. A01G 31/00 (2006.01)**
[25] EN
[54] **HYDROPONIC CULTIVATION APPARATUS**
[54] **DISPOSITIF D'AQUACULTURE**
[72] YANO, HIROSHI, JP
[72] JEONG, WOOHYEUN, JP
[71] PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD., JP
[85] 2017-10-25
[86] 2016-05-13 (PCT/JP2016/002362)
[87] (WO2016/194312)
[30] JP (2015-112106) 2015-06-02

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[21] **2,983,904**
[13] A1
[51] **Int.Cl. C23C 2/00 (2006.01) C23C 2/20 (2006.01)**
[25] EN
[54] **DEVICE FOR TREATING A METAL STRIP**
[54] **DISPOSITIF PERMETTANT DE TRAITER UNE BANDE METALLIQUE**
[72] FONTAINE, PASCAL, DE
[72] FONTAINE, DOMINIQUE, DE
[71] FONTAINE ENGINEERING UND MASCHINEN GMBH, DE
[85] 2017-10-25
[86] 2016-08-01 (PCT/EP2016/068325)
[87] (WO2017/036703)
[30] DE (10 2015 216 721.6) 2015-09-01

[21] **2,983,905**
[13] A1
[51] **Int.Cl. A61K 35/62 (2006.01) A23L 33/10 (2016.01) A61P 3/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **AMYLOID .BETA. FIBRIL DECOMPOSING AGENT, AND THERAPEUTIC OR PREVENTIVE AGENT AND THERAPEUTIC OR PREVENTIVE FOOD COMPOSITION FOR DISEASES CAUSED BY AMYLOID .BETA. FIBRIL FORMATION**
[54] **AGENT DE DECOMPOSITION DES FIBRILLES DE .BETA. AMYLOIDE, AGENT THERAPEUTIQUE/PROPHYLACTIQUE DESTINE A TRAITER/PREVENIR UNE MALADIE ASSOCIEE A LA FIBRILLOGENESE DE LA .BETA. AMYLOIDE, ET COMPOSITION ALIMENTAIRE UTILISEE A CETTE FIN**
[72] ISHII, YOICHI, JP
[72] OKAMOTO, TAKESHI, JP
[72] ISHII, SAYAKA, JP
[71] WELL STONE CO., JP
[85] 2017-10-25
[86] 2016-07-14 (PCT/JP2016/070902)
[87] (WO2017/014162)
[30] JP (2015-144319) 2015-07-21

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[21] **2,983,907**
[13] A1
[51] **Int.Cl. H05K 7/14 (2006.01) B29C 33/42 (2006.01) G06F 1/16 (2006.01)**
[25] EN
[54] **SUBSTRATE GUIDE MEMBER AND CASING**
[54] **ELEMENT DE GUIDAGE DE CARTE ET BOITIER**
[72] SUZUKI, TAKESHI, JP
[71] NEC PLATFORMS, LTD., JP
[85] 2017-10-25
[86] 2016-08-17 (PCT/JP2016/003754)
[87] (WO2017/168470)
[30] JP (2016-065280) 2016-03-29

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[21] **2,983,908**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/519 (2006.01) A61P 25/16 (2006.01)**
[25] EN
[54] **ETHYNYL DERIVATIVES**
[54] **DERIVES D'ETHYNYLE**
[72] JAESCHKE, GEORG, CH
[72] O'HARA, FIONN, CH
[72] PLANCHER, JEAN-MARC, CH
[72] RICCI, ANTONIO, CH
[72] RUEHER, DANIEL, CH
[72] VIEIRA, ERIC, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2017-10-25
[86] 2016-08-02 (PCT/EP2016/068359)
[87] (WO2017/021384)
[30] EP (15179550.7) 2015-08-03

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[21] **2,983,909**
[13] A1
[51] **Int.Cl. A43B 13/14 (2006.01) A43B 7/32 (2006.01) A43B 9/16 (2006.01) A43B 13/00 (2006.01) A43B 13/16 (2006.01)**
[25] EN
[54] **ROCKER SHOES, ROCKER SHOE DEVELOPMENT KIT AND METHOD**
[54] **CHAUSSURES A BASCULE, KIT ET PROCEDE DE DEVELOPPEMENT DE CHAUSSURE A BASCULE**
[72] HANSEN, ANDREW H., US
[72] KOEHLER, SARA, US
[72] NICKEL, ERIC, US
[72] SCHULTZ, CHARLES, US
[71] UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS, US
[85] 2017-10-25
[86] 2016-04-27 (PCT/US2016/029597)
[87] (WO2016/176351)
[30] US (62/153,365) 2015-04-27

---

[21] **2,983,912**
[13] A1
[51] **Int.Cl. H01Q 5/30 (2015.01)**
[25] EN
[54] **MULTI-CHANNEL DIGITAL RADIO**
[54] **RADIO NUMERIQUE MULTI-CANAUX**
[72] SOROKOPUD, BORIS, IL
[72] EDER, YEHUDA, IL
[72] MANOR, YONATAN, IL
[71] ELBIT SYSTEMS LAND AND C4I LTD., IL
[85] 2017-10-25
[86] 2016-11-17 (PCT/IL2016/051238)
[87] (WO2017/098497)
[30] IL (243028) 2015-12-10

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[21] **2,983,914**
[13] A1
[51] **Int.Cl. B02C 17/22 (2006.01) F16J 15/06 (2006.01)**
[25] EN
[54] **SEALING MILL LINER BOLT FASTENINGS**
[54] **ELEMENTS DE FIXATION ETANCHE DE BOULON POUR REVETEMENT DE BROYEUR**
[72] CLARKE, RONALD C., US
[71] CLARKE, RONALD C., US
[85] 2017-10-25
[86] 2015-05-01 (PCT/US2015/028763)
[87] (WO2016/175867)
[30] US (14/700,247) 2015-04-30

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[21] **2,983,915**
[13] A1
[51] **Int.Cl. E21B 19/087 (2006.01)**
[25] EN
[54] **DRILL ROD ALIGNMENT DEVICE AND SYSTEMS AND METHODS OF USING SAME**
[54] **DISPOSITIF D'ALIGNEMENT DE TIGE DE FORAGE ET SYSTEMES ET PROCEDES D'UTILISATION ASSOCIES**
[72] WRIGHT, CHRISTOPHER ALLEN, CA
[72] RITTER, DAVID ROBERT, CA
[72] MARKHAM, ANTHONY CHARLES WILLIAM, CA
[71] BLY IP INC., US
[85] 2017-10-25
[86] 2016-04-29 (PCT/US2016/030128)
[87] (WO2016/179004)
[30] US (62/155,545) 2015-05-01
[30] US (62/207,438) 2015-08-20

[21] **2,983,916**
[13] A1
[51] **Int.Cl. E02F 9/20 (2006.01) E02F 3/43 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR POSITIONING A LIFT ARM ON A POWER MACHINE**
[54] **SYSTEME ET PROCEDE DE POSITIONNEMENT D'UN BRAS DE LEVAGE SUR UNE MACHINE A MOTEUR**
[72] ZENT, KEVIN J., US
[72] KRAUSE, TREVOR W., US
[72] ROEHRL, JONATHAN J., US
[72] CARPENTER, MARTY, US
[71] CLARK EQUIPMENT COMPANY, US
[85] 2017-10-25
[86] 2016-04-29 (PCT/US2016/030197)
[87] (WO2016/176615)
[30] US (62/154,389) 2015-04-29

---

[21] **2,983,917**
[13] A1
[51] **Int.Cl. B32B 37/02 (2006.01) B32B 5/24 (2006.01) B32B 38/00 (2006.01) B32B 38/16 (2006.01) B32B 43/00 (2006.01)**
[25] EN
[54] **AEROGEL COMPOSITE AND METHOD FOR PREPARING SAME**
[54] **COMPOSITE AEROGEL ET SON PROCEDE DE PREPARATION**
[72] KIM, HYUN-CHOL, KR
[71] SKC CO., LTD., KR
[85] 2017-10-25
[86] 2017-02-03 (PCT/KR2017/001215)
[87] (WO2017/135752)
[30] KR (10-2016-0014993) 2016-02-05

---

[21] **2,983,918**
[13] A1
[51] **Int.Cl. G01N 31/00 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR QUANTITATING BLOOD SAMPLES**
[54] **PROCEDES ET DISPOSITIF DE QUANTIFICATION D'ECHANTILLONS SANGUINS**
[72] MATSON, SAMANTHA A., US
[72] THOMAS, BEENA E., US
[72] BHASIN, SWATI, US
[71] IXCELA, INC., US
[85] 2017-10-25
[86] 2016-04-29 (PCT/US2016/030226)
[87] (WO2016/176629)
[30] US (62/154,520) 2015-04-29

---

[21] **2,983,919**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) H04W 88/02 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ENABLING EFFICIENT DIGITAL MARKETING ON PORTABLE WIRELESS DEVICES FOR PARTIES WITH LOW CAPABILITIES**
[54] **SYSTEME ET PROCEDE POUR PERMETTRE UN MARKETING NUMERIQUE EFFICACE SUR DES DISPOSITIFS SANS FIL PORTABLES POUR DES PARTIES AYANT DE FAIBLES CAPACITES**
[72] LIEN, SCOTT, US
[72] LIEN, ISAAC, US
[72] TYLER, DAVID, US
[72] BURNS, RYAN, US
[72] PHILLIPS, ALAN PAUL R., GB
[71] GRANDPAD, INC., US
[85] 2017-10-25
[86] 2015-10-01 (PCT/US2015/053577)
[87] (WO2016/057313)
[30] US (62/060,687) 2014-10-07
[30] US (14/871,808) 2015-09-30

---

[21] **2,983,921**
[13] A1
[51] **Int.Cl. B62D 55/10 (2006.01) B62D 55/06 (2006.01) B62D 55/108 (2006.01)**
[25] EN
[54] **APPARATUS FOR MOUNTING A TRACK FRAME TO A FRAME OF A POWER MACHINE**
[54] **APPAREIL POUR FIXER UN CHASSIS DE CHENILLE A UN CHASSIS D'UNE MACHINE ELECTRIQUE**
[72] SPEARS, KARL, US
[72] KALDOR, MATTHEW J., US
[72] MUSCHA, JASON, US
[72] HANSEN, CAMERON C., US
[72] RINGGENBERG, JUSTIN, US
[72] HOESEL, JERET L., US
[72] HANSEN, RONALD S., US
[71] CLARK EQUIPMENT COMPANY, US
[85] 2017-10-25
[86] 2016-04-29 (PCT/US2016/030228)
[87] (WO2016/176631)
[30] US (62/154,369) 2015-04-29
[30] US (62/216,762) 2015-09-10

---

[21] **2,983,923**
[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01) B32B 1/08 (2006.01) H01B 7/295 (2006.01)**
[25] EN
[54] **OPTICAL FIBER CABLE**
[54] **CABLE A FIBRES OPTIQUES**
[72] GALLO, EMANUELA, DE
[71] CCS TECHNOLOGY, INC., US
[85] 2017-10-25
[86] 2016-04-13 (PCT/US2016/027230)
[87] (WO2016/176040)
[30] EP (15165190.8) 2015-04-27

---

[21] **2,983,927**
[13] A1
[51] **Int.Cl. A61K 31/44 (2006.01) A61K 31/445 (2006.01) A61K 31/4462 (2006.01) A61K 31/451 (2006.01)**
[25] EN
[54] **K-RAS MODULATORS**
[54] **MODULATEURS DE K-RAS**
[72] MCCORMICK, FRANK, US
[72] RENSLO, ADAM R., US
[72] TURNER, DAVID, US
[72] GYSIN, STEPHAN, CH
[72] MACIAG, ANNA E., US
[72] CHERTOV, OLEG, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[71] LEIDOS BIOMEDICAL RESEARCH, INC., US
[85] 2017-10-25
[86] 2016-05-06 (PCT/US2016/031344)
[87] (WO2016/179558)
[30] US (62/157,915) 2015-05-06
[30] US (62/158,356) 2015-05-07

[21] **2,983,929**
[13] A1
[51] **Int.Cl. A47L 5/00 (2006.01) A47L 9/00 (2006.01)**
[25] EN
[54] **PORTABLE SYSTEM AND METHODOLOGY THAT FACILITATES DUST COLLECTION WITHIN A SILO APPARATUS**
[54] **METHODOLOGIE DE SYSTEME PORTATIF QUI FACILITE LA COLLECTE DE POUSSIERE DANS UN APPAREIL A SILO**
[72] GUTH, JOEL, US
[72] GUTH, PAUL W., US
[71] JPL GLOBAL, LLC, US
[85] 2017-10-25
[86] 2016-05-06 (PCT/US2016/031333)
[87] (WO2016/179552)
[30] US (62/158,525) 2015-05-07
[30] US (14/836,934) 2015-08-26

---

[21] **2,983,930**
[13] A1
[25] EN
[54] **METHODS TO REDUCE EVAPORATION DURING ELEVATED TEMPERATURE**
[54] **PROCEDES DE REDUCTION DE L'EVAPORATION EN CAS DE TEMPERATURES ELEVEES**
[72] YAMANISHI, DOUGLAS T., US
[72] HOM, CLIFFORD, US
[72] SHAH, AMIT D., US
[71] SAKURA FINETEK U.S.A., INC., US
[85] 2017-10-25
[86] 2016-04-15 (PCT/US2016/027945)
[87] (WO2017/180160)

---

[21] **2,983,934**
[13] A1
[51] **Int.Cl. G06F 17/27 (2006.01) G06F 17/30 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR UPDATING A KNOWLEDGE GRAPH THROUGH USER INPUT**
[54] **SYSTEMES ET PROCEDES DE MISE A JOUR D'UN GRAPHE DE CONNAISSANCES PAR UNE ENTREE D'UTILISATEUR**
[72] KELLY, TIMOTHY CHRISTENSEN, US
[72] MORGAN, PATRICK GERARD, US
[72] PETERSON, BRIAN, US
[72] KLAPPERT, WALTER R., US
[71] ROVI GUIDES, INC., US
[85] 2017-10-25
[86] 2016-04-21 (PCT/US2016/028543)
[87] (WO2016/176098)
[30] US (14/697,196) 2015-04-27

---

[21] **2,983,939**
[13] A1
[51] **Int.Cl. C07H 3/00 (2006.01) A61K 31/702 (2006.01) A61P 1/14 (2006.01) C07H 1/08 (2006.01) C07H 3/06 (2006.01) C12P 19/14 (2006.01)**
[25] EN
[54] **PREPARATION COMPRISING ARABINOXYLO-OLIGOSACCHARIDES**
[54] **PREPARATION COMPRENANT DES ARABINOXYLO-OLIGOSACCHARIDES**
[72] FALCK, PETER, SE
[71] PURE FIBER LIMITED, IE
[85] 2017-10-25
[86] 2016-04-29 (PCT/SE2016/050377)
[87] (WO2016/175702)
[30] SE (1550542-3) 2015-04-30

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[21] **2,983,940**
[13] A1
[51] **Int.Cl. E21B 47/00 (2012.01) E21B 47/022 (2012.01) G01C 21/16 (2006.01)**
[25] EN
[54] **GYRO-BASED SURVEYING TOOL AND METHOD FOR SURVEYING**
[54] **OUTIL D'ARPENTAGE GYROSCOPIQUE ET PROCEDE D'ARPENTAGE**
[72] PECO, THIMAQ TIM, SE
[72] HULDEN, JARL, SE
[71] LKAB WASSARA AB, SE
[85] 2017-10-25
[86] 2016-05-03 (PCT/SE2016/050392)
[87] (WO2016/178619)
[30] SE (1550553-0) 2015-05-04

---

[21] **2,983,944**
[13] A1
[51] **Int.Cl. A47L 9/00 (2006.01) A47L 7/00 (2006.01) B25J 5/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR SEMI-AUTONOMOUS CLEANING OF SURFACES**
[54] **APPAREIL ET PROCEDES PERMETTANT LE NETTOYAGE SEMI-AUTONOME DE SURFACES**
[72] SHEIKH, FAIZAN, CA
[72] D'ALESSIO-DOUCET, JULIEN, CA
[72] LEE, KENNETH, CA
[72] CABRERA, PABLO ROBERTO MOLINA, CA
[72] WILLICK, TODD, CA
[71] AVIDBOTS CORP., CA
[85] 2017-10-24
[86] 2016-04-25 (PCT/CA2016/050480)
[87] (WO2016/168944)
[30] US (62/152,303) 2015-04-24

[21] **2,983,947**
[13] A1
[51] **Int.Cl. E21B 19/16 (2006.01) B25B 13/12 (2006.01) B25B 13/14 (2006.01) B25B 13/50 (2006.01)**
[25] EN
[54] **SPINNING TORQUE WRENCH**
[54] **CLE DYNAMOMETRIQUE DE VISSAGE**
[72] SCEKIC, VLADIMIR, CA
[72] GNASIENCO, RADU, CA
[72] BATAHLA, KEVIN, CA
[72] TURNBULL, RUSSELL, CA
[71] MIVA ENGINEERING LTD., CA
[85] 2017-10-24
[86] 2016-04-26 (PCT/CA2016/050483)
[87] (WO2016/187702)
[30] US (62/166,845) 2015-05-27

---

[21] **2,983,948**
[13] A1
[51] **Int.Cl. C22C 21/08 (2006.01) C22C 1/02 (2006.01) C22C 21/00 (2006.01)**
[25] EN
[54] **COMPOSITE MATERIAL HAVING IMPROVED MECHANICAL PROPERTIES AT ELEVATED TEMPERATURES**
[54] **MATERIAU COMPOSITE AYANT DES PROPRIETES MECANIQUES AMELIOREES A DES TEMPERATURES ELEVEES**
[72] LAURIN, JEAN-ALAIN, CA
[72] PARSON, NICHOLAS C., CA
[72] ROUX, MARIO, CA
[72] CHEN, XIAO-GUANG, CA
[72] LIU, KUN, CA
[71] UNIVERSITE DU QUEBEC A CHICOUTIMI, CA
[85] 2017-10-24
[86] 2016-04-29 (PCT/CA2016/050498)
[87] (WO2016/176766)
[30] US (62/155,556) 2015-05-01

---

[21] **2,983,949**
[13] A1
[51] **Int.Cl. B62D 55/08 (2006.01) B62D 21/18 (2006.01) B62D 55/06 (2006.01) B62D 55/10 (2006.01) B62D 55/24 (2006.01) B62D 55/253 (2006.01) B62D 55/30 (2006.01)**
[25] EN
[54] **TRACKED VEHICLE AND CHASSIS THEREFOR**
[54] **VEHICULE CHENILLE ET CHASSIS POUR CE DERNIER**
[72] MARLEAU, BENOIT, CA
[72] CHABOT, ALAIN, CA
[72] GAGNE, CARL, CA
[71] PRINOTH LTD., CA
[85] 2017-10-24
[86] 2015-09-25 (PCT/EP2015/072138)
[87] (WO2016/198130)
[30] US (62/173,990) 2015-06-11

---

[21] **2,983,950**
[13] A1
[51] **Int.Cl. G01N 33/50 (2006.01) A61K 35/28 (2015.01)**
[25] EN
[54] **BIOMARKERS FOR DETERMINING THE CLINICAL RESPONSE TO CELL THERAPY**
[54] **BIOMARQUEURS DE DETERMINATION DE LA REPONSE CLINIQUE A UNE THERAPIE CELLULAIRE**
[72] DE LA ROSA, OLGA, ES
[72] DALEMANS, WILFRIED, ES
[71] TIGENIX, S.A.U, ES
[85] 2017-10-24
[86] 2016-04-25 (PCT/EP2016/059196)
[87] (WO2016/170187)
[30] EP (15382206.9) 2015-04-24

---

[21] **2,983,957**
[13] A1
[51] **Int.Cl. G01V 9/00 (2006.01) E21B 49/00 (2006.01) G01N 23/225 (2006.01)**
[25] EN
[54] **IDENTIFICATION, QUANTIFICATION AND PREDICTION OF FREE SILICON IN GEOLOGICAL FORMATION AND ITS CONTRIBUTION TO ROCK PROPERTIES**
[54] **IDENTIFICATION, QUANTIFICATION ET PREDICTION DE SILICIUM LIBRE DANS UNE FORMATION GEOLOGIQUE ET SA CONTRIBUTION AUX PROPRIETES DE ROCHES**
[72] OLIVER, GUY, FR
[72] SPENCE, GRAHAM, FR
[72] LY, CHI VINH, FR
[72] ALLO, FABIEN, FR
[71] CGG SERVICES SA, FR
[85] 2017-10-24
[86] 2016-05-04 (PCT/IB2016/000851)
[87] (WO2016/178094)
[30] US (62/157,543) 2015-05-06
[30] US (62/208,844) 2015-08-24

---

[21] **2,983,958**
[13] A1
[51] **Int.Cl. B01F 3/04 (2006.01) A23L 2/00 (2006.01)**
[25] EN
[54] **HOME SODA MACHINE OPERATING AT LOW PRESSURE**
[54] **MACHINE A SODA DOMESTIQUE FONCTIONNANT A BASSE PRESSION**
[72] COHEN, AVI, IL
[71] SODASTREAM INDUSTRIES LTD., IL
[85] 2017-10-24
[86] 2016-05-09 (PCT/IB2016/052625)
[87] (WO2016/181279)
[30] US (62/161,285) 2015-05-14

[21] **2,983,962**
[13] A1
[51] **Int.Cl. C07K 7/06 (2006.01) A61K 38/08 (2006.01) A61P 27/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SHORT SYNTHETIC PEPTIDE FOR TREATING DISEASES AND/OR CONDITIONS RELATED TO ANGIOGENESIS**
[54] **PEPTIDE SYNTHETIQUE COURT POUR LE TRAITEMENT DE MALADIES ET/OU CONDITIONS LIEES A L'ANGIOGENESE**
[72] HO, TSUNG-CHUAN, CN
[72] TSAO, YEOU-PING, CN
[71] MACKAY MEMORIAL HOSPITAL, TW
[85] 2017-10-24
[86] 2016-04-14 (PCT/CN2016/079300)
[87] (WO2016/173402)
[30] US (62/152,980) 2015-04-27

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[21] **2,983,968**
[13] A1
[51] **Int.Cl. B29B 11/16 (2006.01) B29C 70/86 (2006.01) B64C 11/26 (2006.01) F01D 5/28 (2006.01) F03B 3/12 (2006.01)**
[25] FR
[54] **BLADE COMPRISING LANDS WITH INSERTS**
[54] **AUBE MUNIE DE PLATEFORMES COMPORTANT DES INSERTS**
[72] BERDOU, CAROLINE JACQUELINE DENISE, FR
[72] BOISSON, ALEXANDRE BERNARD MARIE, FR
[72] GIMAT, MATTHIEU ARNAUD, FR
[72] LAGUERRE, AUDREY, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-10-25
[86] 2016-04-26 (PCT/FR2016/050981)
[87] (WO2016/174345)
[30] FR (1553847) 2015-04-29

---

[21] **2,983,969**
[13] A1
[51] **Int.Cl. G07F 11/00 (2006.01) G06Q 20/18 (2012.01)**
[25] EN
[54] **RFID-BASED GOODS-VENDING SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE MARCHANDISES BASE SUR LA RFID**
[72] WU, TIANXIANG, CN
[71] GUANGZHOU YIDAO HULIANWANG CO., LTD., CN
[85] 2017-10-20
[86] 2015-10-19 (PCT/CN2015/092162)
[87] (WO2016/169234)
[30] CN (201510202204.8) 2015-04-24

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[21] **2,983,970**
[13] A1
[51] **Int.Cl. B29B 11/16 (2006.01) B29C 70/86 (2006.01) B64C 11/26 (2006.01) F01D 5/28 (2006.01) F03B 3/12 (2006.01)**
[25] FR
[54] **VANE EQUIPPED WITH PLATFORMS COMPRISING A RETAINING LEG**
[54] **AUBE MUNIE DE PLATEFORMES POSSEDANT UNE JAMBE DE RETENUE**
[72] DE GAILLARD, THOMAS ALAIN, FR
[72] BERDOU, CAROLINE JACQUELINE DENISE, FR
[72] BOISSON, ALEXANDRE BERNARD MARIE, FR
[72] GIMAT, MATTHIEU ARNAUD, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-10-25
[86] 2016-04-26 (PCT/FR2016/050982)
[87] (WO2016/174346)
[30] FR (1553851) 2015-04-29

---

[21] **2,983,977**
[13] A1
[51] **Int.Cl. C07K 4/12 (2006.01) A61K 38/03 (2006.01) A61K 38/08 (2006.01)**
[25] EN
[54] **SHORT SYNTHETIC PEPTIDE FOR TREATMENT AND/OR PROPHYLAXIS OF AUTOIMMUNE AND INFLAMMATORY DISORDERS**
[54] **PEPTIDE SYNTHETIQUE COURT POUR LE TRAITEMENT ET/OU LA PROPHYLAXIE DE TROUBLES AUTO-IMMUNS ET INFLAMMATOIRES**
[72] TSAO, YEOU-PING, CN
[72] HO, TSUNG-CHUAN, CN
[71] MACKAY MEMORIAL HOSPITAL, TW
[85] 2017-10-24
[86] 2016-04-14 (PCT/CN2016/079284)
[87] (WO2016/173401)
[30] US (62/152,980) 2015-04-27

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[21] **2,983,989**
[13] A1
[51] **Int.Cl. F23D 1/00 (2006.01)**
[25] EN
[54] **BURNER, COMBUSTION DEVICE, BOILER, AND BURNER CONTROL METHOD**
[54] **BRULEUR, DISPOSITIF DE COMBUSTION, CHAUDIERE, ET PROCEDE DE COMMANDE DE BRULEUR**
[72] KIYAMA, KENJI, JP
[72] ICHINOSE, TOSHIMITSU, JP
[72] SHIMOGORI, MIKI, JP
[72] MINE, TOSHIHIKO, JP
[72] YAMAMOTO, KENJI, JP
[72] TANAKA, RYUICHIRO, JP
[72] BABA, AKIRA, JP
[72] KURAMASHI, KOJI, JP
[72] FUJIMURA, KOUTARO, JP
[72] MATSUMOTO, KEIGO, JP
[71] MITSUBISHI HITACHI POWER SYSTEMS, LTD., JP
[85] 2017-10-25
[86] 2016-05-30 (PCT/JP2016/065929)
[87] (WO2016/199613)
[30] JP (2015-119311) 2015-06-12

[21] **2,983,992**
[13] A1
[51] **Int.Cl. C07D 209/56 (2006.01)**
[25] EN
[54] **POLYCYCLIC INDOLINE AND INDOLENINE COMPOUNDS**
[54] **COMPOSES D'INDOLINE ET D'INDOLENINE POLYCYCLIQUES**
[72] WANG, XIANG, US
[72] BARBOUR, PATRICK, US
[71] THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US
[85] 2017-10-25
[86] 2016-04-29 (PCT/US2016/030233)
[87] (WO2016/176634)
[30] US (62/154,792) 2015-04-30

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[21] **2,983,995**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/192 (2006.01) A61K 31/4468 (2006.01) A61K 39/39 (2006.01)**
[25] EN
[54] **COMPOUND IMPURITIES AND METHODS OF DETECTING SAME**
[54] **IMPURETES DE COMPOSES ET PROCEDES DE DETECTION DE CELLES-CI**
[72] GELORMINI, ANN, US
[71] AEGERION PHARMACEUTICALS, INC., US
[85] 2017-10-25
[86] 2016-05-02 (PCT/US2016/030397)
[87] (WO2016/176678)
[30] US (62/154,906) 2015-04-30
[30] BR (BR1020150255020) 2015-10-06

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[21] **2,984,003**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2006.01)**
[25] EN
[54] **THERAPEUTIC AND DIAGNOLSTIC METHODS FOR CANCER**
[54] **METHODES DIAGNOSTIQUES ET THERAPEUTIQUES POUR LE CANCER**
[72] HEGDE, PRITI, US
[72] KOWANETZ, MARCIN, US
[72] FINE, GREGG, US
[72] MARIATHASAN, SANJEEV, US
[72] BOURGON, RICHARD, US
[71] GENENTECH, INC., US
[85] 2017-10-24
[86] 2016-05-27 (PCT/US2016/034664)
[87] (WO2016/196298)
[30] US (62/168,669) 2015-05-29
[30] US (62/301,599) 2016-02-29

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[21] **2,984,011**
[13] A1
[51] **Int.Cl. E21B 33/06 (2006.01) E21B 29/08 (2006.01)**
[25] EN
[54] **BLOWOUT PREVENTER**
[54] **BLOC D'OBTURATION DE PUITS**
[72] ANGSTMANN, STEVEN ANTONY, KR
[72] GALLAGHER, BOBBY JAMES, KR
[71] KINETIC PRESSURE CONTROL LIMITED, US
[85] 2017-10-26
[86] 2016-04-29 (PCT/AU2016/050310)
[87] (WO2016/176725)
[30] US (62/155,992) 2015-05-01

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[21] **2,984,013**
[13] A1
[51] **Int.Cl. A61K 35/14 (2015.01) C12N 5/0735 (2010.01) C12N 5/078 (2010.01) C07H 21/00 (2006.01) C12N 9/16 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **NUCLEASE-MEDIATED REGULATION OF GENE EXPRESSION**
[54] **REGULATION DE L'EXPRESSION GENIQUE MEDIEE PAR LES NUCLEASES**
[72] REIK, ANDREAS, US
[71] SANGAMO THERAPEUTICS, INC., US
[85] 2017-10-25
[86] 2016-05-12 (PCT/US2016/032049)
[87] (WO2016/183298)
[30] US (62/160,396) 2015-05-12
[30] US (62/303,595) 2016-03-04

---

[21] **2,984,015**
[13] A1
[51] **Int.Cl. E04G 21/32 (2006.01) A62B 35/00 (2006.01)**
[25] EN
[54] **GRID MESH ANCHOR**
[54] **PIECE D'ANCRAGE DE MAILLE DE GRILLE**
[72] LINTON, STEPHEN, AU
[71] GRIDMESH ANCHOR PTY LTD, AU
[85] 2017-10-26
[86] 2016-06-16 (PCT/AU2016/050511)
[87] (WO2016/201518)
[30] AU (2015902375) 2015-06-19

[21] **2,984,016**
[13] A1
[51] **Int.Cl. C12N 5/10 (2006.01) A01H 5/00 (2006.01) A01H 5/10 (2006.01) C12N 9/10 (2006.01) C12N 15/29 (2006.01) C12N 15/52 (2006.01) C12N 15/54 (2006.01) C12N 15/82 (2006.01) C12P 7/64 (2006.01) C12P 19/00 (2006.01)**
[25] EN
[54] **METHODS OF INCREASING PLANT BIOMASS AND OILSEED PRODUCTION**
[54] **PROCEDES D'AUGMENTATION DE LA BIOMASSE VEGETALE ET LA PRODUCTION DE GRAINES OLEAGINEUSES**
[72] EMES, MICHAEL, CA
[72] TETLOW, IAN, CA
[72] LIU, FUSHAN, CA
[71] UNIVERSITY OF GUELPH, CA
[85] 2017-10-26
[86] 2016-04-28 (PCT/CA2016/050490)
[87] (WO2016/172798)
[30] US (62/153,698) 2015-04-28

---

[21] **2,984,023**
[13] A1
[51] **Int.Cl. A63F 1/00 (2006.01) A63F 9/04 (2006.01) G09B 19/02 (2006.01)**
[25] EN
[54] **MATH SKILL GAME**
[54] **JEU D'HABILETE LIE AUX MATHEMATIQUES**
[72] BAKER, DANNIAL, SR., CA
[72] BAKER, DANNIAL, JR., CA
[71] CYPHERING INC., CA
[85] 2017-10-26
[86] 2015-04-27 (PCT/CA2015/050349)
[87] (WO2016/172781)

---

[21] **2,984,024**
[13] A1
[51] **Int.Cl. C07D 471/08 (2006.01) A61K 31/439 (2006.01) A61K 31/535 (2006.01) A61P 31/04 (2006.01) C07D 487/08 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **.BETA.-LACTAMASE INHIBITORS AND USES THEREOF**
[54] **INHIBITEUR DE SS-LACTAMASE ET SON APPLICATION**
[72] WU, FRANK, CN
[71] XUANZHU PHARMA CO., LTD., CN
[85] 2017-10-26
[86] 2016-08-18 (PCT/CN2016/095837)
[87] (WO2017/045510)
[30] CN (201510589021.6) 2015-09-16

---

[21] **2,984,032**
[13] A1
[51] **Int.Cl. A44C 9/02 (2006.01) A44C 9/00 (2006.01) A44C 25/00 (2006.01) A44C 27/00 (2006.01) B32B 25/00 (2006.01) C08L 83/04 (2006.01)**
[25] EN
[54] **COMPRESSION MOLDED SILICONE RING**
[54] **ANNEAU DE SILICONE MOULE PAR COMPRESSION**
[72] BAKER, PATRICK, US
[72] HOLIDAY, KYLE, US
[71] QALO LLC, US
[85] 2017-10-25
[86] 2016-07-13 (PCT/US2016/042121)
[87] (WO2017/011571)
[30] US (14/798,871) 2015-07-14

---

[21] **2,984,041**
[13] A1
[51] **Int.Cl. C11C 3/00 (2006.01) C08L 91/06 (2006.01) C10L 10/14 (2006.01) C10M 105/42 (2006.01)**
[25] EN
[54] **TRIACYLGLYCEROL OLIGOMERS**
[54] **OLIGOMERES DE TRIACYLGLYCEROL**
[72] NARINE, SURESH, CA
[72] LI, SHAOJUN, CA
[72] BOUZIDI, LAZIZ, CA
[71] TRENT UNIVERSITY, CA
[85] 2017-10-26
[86] 2015-05-06 (PCT/CA2015/050395)
[87] (WO2015/168789)
[30] US (61/989,722) 2014-05-07

---

[21] **2,984,046**
[13] A1
[51] **Int.Cl. F16L 55/162 (2006.01) F16L 55/163 (2006.01)**
[25] EN
[54] **ACCESS PORT SEAL**
[54] **JOINT D'ORIFICE D'ACCES**
[72] BRIGHAM, GRAHAM, CA
[71] INTEGRITY PRODUCTS & SUPPLIES INC., CA
[85] 2017-10-26
[86] 2016-02-19 (PCT/CA2016/050167)
[87] (WO2017/066866)
[30] US (14/887,776) 2015-10-20

---

[21] **2,984,076**
[13] A1
[51] **Int.Cl. H04L 27/26 (2006.01) H04L 27/34 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR REDUCING PEAK TO AVERAGE POWER RATIO IN A SIGNAL**
[54] **APPAREIL ET PROCEDE PERMETTANT DE REDUIRE LE RAPPORT DE LA PUISSANCE DE CRETE A LA PUISSANCE MOYENNE DANS UN SIGNAL**
[72] FONTAINE, LOIC, FR
[72] PESIN, ANTHONY, FR
[71] THOMSON LICENSING, FR
[85] 2017-10-26
[86] 2016-04-28 (PCT/EP2016/059550)
[87] (WO2016/174165)
[30] EP (15305672.6) 2015-04-30

---

[21] **2,984,083**
[13] A1
[51] **Int.Cl. H04B 1/22 (2006.01) B60L 1/00 (2006.01) B60R 11/02 (2006.01) B60R 16/00 (2006.01) H04B 7/005 (2006.01) H04R 3/00 (2006.01)**
[25] EN
[54] **DIGITAL SIGNAL ROUTER FOR VEHICLE REPLACEMENT SOUND SYSTEM**
[54] **ROUTEUR DE SIGNAL NUMERIQUE POUR SYSTEME SONORE DE RECHANGE DE VEHICULE**
[72] RUTLEDGE, MARK, US
[71] AUTOMOTIVE DATA SOLUTIONS, INC., CA
[85] 2017-10-26
[86] 2016-07-19 (PCT/IB2016/054297)
[87] (WO2017/013586)
[30] US (62/196,220) 2015-07-23
[30] US (14/942,077) 2015-11-16

[21] **2,984,088**
[13] A1
[51] **Int.Cl. A61K 31/352 (2006.01) A61K 31/38 (2006.01) A61K 45/06 (2006.01) A61P 25/04 (2006.01) A61P 25/18 (2006.01)**
[25] EN
[54] **COMBINATIONS OF CANNABINOIDS AND N-ACYLETHANOLAMINES**
[54] **COMBINAISONS DE CANNABINOIDES ET DE N-ACYLETHANOLAMINES**
[72] SHMULEWITZ, ASCHER, IL
[72] HABER, ELRAN, IL
[72] BRENER, EPHRAIM, IL
[71] THERAPIX BIOSCIENCES LTD., IL
[85] 2017-10-26
[86] 2016-04-19 (PCT/IL2016/050414)
[87] (WO2016/174661)
[30] US (62/154,144) 2015-04-29

---

[21] **2,984,091**
[13] A1
[51] **Int.Cl. G06F 3/033 (2013.01) B65H 75/48 (2006.01)**
[25] EN
[54] **RETRACTABLE STYLUS RETAINER FOR USE WITH A MOBILE DEVICE**
[54] **DISPOSITIF DE RETENUE DE STYLET RETRACTABLE POUR DISPOSITIF MOBILE**
[72] GILES, CORLES ANDRE, US
[71] GILES, CORLES ANDRE, US
[85] 2017-10-25
[86] 2015-10-15 (PCT/US2015/055787)
[87] (WO2017/065780)

---

[21] **2,984,092**
[13] A1
[51] **Int.Cl. B25J 3/00 (2006.01) A61B 34/37 (2016.01) G08B 21/18 (2006.01)**
[25] EN
[54] **INSTRUMENT COLLISION DETECTION AND FEEDBACK**
[54] **DETECTION DE COLLISION D'INSTRUMENT ET RETROACTION**
[72] CAMERON, PETER, US
[71] TITAN MEDICAL INC., CA
[85] 2017-10-25
[86] 2015-12-15 (PCT/CA2015/000600)
[87] (WO2016/176755)
[30] US (62/156,049) 2015-05-01

---

[21] **2,984,093**
[13] A1
[51] **Int.Cl. A01K 89/01 (2006.01) A01K 89/00 (2006.01) A01K 89/02 (2006.01) A01K 89/027 (2006.01)**
[25] EN
[54] **SNUBBERLESS SPINCAST REEL**
[54] **MOULINET A TAMBOUR FERME SANS RALENTISSEUR**
[72] IVIE, CAMERON, US
[72] LAO, WU, CN
[71] PURE FISHING, INC., US
[85] 2017-10-25
[86] 2016-04-27 (PCT/US2016/029557)
[87] (WO2016/176323)
[30] US (62/153,454) 2015-04-27

---

[21] **2,984,095**
[13] A1
[51] **Int.Cl. B32B 5/02 (2006.01) A63B 6/00 (2006.01) A63B 21/00 (2006.01) B32B 3/30 (2006.01) B32B 5/06 (2006.01) B32B 5/26 (2006.01) B32B 7/02 (2006.01) B32B 7/06 (2006.01) D03D 11/00 (2006.01)**
[25] EN
[54] **A FABRIC ARTICLE**
[54] **ARTICLE EN TISSU**
[72] KALATI, RITESH, IN
[71] KALATI, RITESH, IN
[85] 2017-10-26
[86] 2016-04-28 (PCT/IN2016/000108)
[87] (WO2016/174684)
[30] IN (1693/MUM/2015) 2015-04-28

---

[21] **2,984,096**
[13] A1
[51] **Int.Cl. H01M 4/583 (2010.01) H01M 4/36 (2006.01)**
[25] EN
[54] **POSITIVE ELECTRODE ACTIVE MATERIAL FOR NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY, POSITIVE ELECTRODE, AND SECONDARY BATTERY**
[54] **MATERIAU ACTIF D'ELECTRODE POSITIVE POUR BATTERIE SECONDAIRE A ELECTROLYTE NON AQUEUX, ELECTRODE POSITIVE ET BATTERIE SECONDAIRE**
[72] KUZUSHIMA, YUSUKE, JP
[72] HARA, TOMITARO, JP
[71] ELIIY POWER CO., LTD., JP
[85] 2017-10-26
[86] 2015-05-01 (PCT/JP2015/063138)
[87] (WO2016/178280)

---

[21] **2,984,097**
[13] A1
[51] **Int.Cl. H01M 8/04 (2016.01) H01M 8/12 (2016.01)**
[25] EN
[54] **FUEL CELL SYSTEM**
[54] **SYSTEME DE PILE A COMBUSTIBLE**
[72] UOZUMI, TETSUO, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2017-10-26
[86] 2015-04-28 (PCT/JP2015/062819)
[87] (WO2016/174738)

---

[21] **2,984,098**
[13] A1
[51] **Int.Cl. H01L 49/00 (2006.01) B05D 1/36 (2006.01) B05D 3/02 (2006.01) B05D 3/06 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING SECONDARY CELL**
[54] **PROCEDE DE FABRICATION DE BATTERIE RECHARGEABLE**
[72] SAITO, TOMOKAZU, JP
[72] DEWA, HARUTADA, JP
[71] KABUSHIKI KAISHA NIHON MICRONICS, JP
[85] 2017-10-26
[86] 2016-05-17 (PCT/JP2016/002410)
[87] (WO2016/208116)
[30] JP (2015-127653) 2015-06-25

---

[21] **2,984,099**
[13] A1
[51] **Int.Cl. A45D 31/00 (2006.01) A45D 29/20 (2006.01) A47F 7/00 (2006.01)**
[25] EN
[54] **NAIL TIP, NAIL TIP POSITIONING ASSISTANCE TOOL, AND NAIL TIP FOR DISPLAY PROVIDED THEREWITH**
[54] **POINTE D'ONGLE, OUTIL D'AIDE AU POSITIONNEMENT DE POINTE D'ONGLE, ET POINTE D'ONGLE POUR PRESENTATION POURVU DE CELUI-CI**
[72] NAKASHIMA, KOTARO, JP
[72] NAKASHIMA YUKINO, JP
[71] NAKASHIMA, KOTARO, JP
[85] 2017-10-26
[86] 2016-05-09 (PCT/JP2016/063714)
[87] (WO2016/181925)
[30] JP (PCT/JP2015/063309) 2015-05-08
[30] JP (PCT/JP2015/069477) 2015-07-07

[21] **2,984,100**
[13] A1
[51] **Int.Cl. F16B 39/30 (2006.01) B21H 3/06 (2006.01) B21H 3/12 (2006.01) F16B 33/02 (2006.01) F16B 35/00 (2006.01) F16H 25/20 (2006.01) F16H 25/24 (2006.01)**
[25] EN
[54] **DUAL-THREADED SCREW STRUCTURE**
[54] **STRUCTURE A DOUBLE VIS**
[72] SHINBUTSU, TOSHINAKA, JP
[72] TAKEMASU, TERUIE, JP
[72] AMANO, SHUICHI, JP
[71] FORM ROLL TECH CO., LTD., JP
[85] 2017-10-26
[86] 2016-05-27 (PCT/JP2016/065793)
[87] (WO2016/194842)
[30] JP (2015-110292) 2015-05-29
[30] JP (2015-219841) 2015-11-09

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] **2,927,789**
[13] A1
[51] **Int.Cl. A63B 69/00 (2006.01) A63B 59/70 (2015.01)**
[25] EN
[54] **STICKHANDLING TOOLS, HOCKEY TRAINING AIDS, AND RELATED METHODS**
[54] **OUTIL DE MANIEMENT DE BATON, AIDES D'ENTRAINEMENT AU HOCKEY ET METHODES ASSOCIEES**
[72] GUISE, DARCY G., CA
[71] GUISE, DARCY G., CA
[22] 2016-04-22
[41] 2017-10-22

[21] **2,927,893**
[13] A1
[51] **Int.Cl. B60P 1/28 (2006.01) B60P 1/04 (2006.01)**
[25] EN
[54] **DUMP TRUCK BOX WITH REDUCED TENDENCY FOR MATERIAL TO STICK AT THE SIDES OF THE BOX**
[54] **BENNE DE CAMION A TENDANCE REDUITE D'ADHESION DE MATIERE SUR LES PAROIS DE LA BENNE**
[72] HOFER, GILBERT, CA
[71] GERMANIC MFG. LTD., CA
[71] HEART-FAB LTD., CA
[22] 2016-04-22
[41] 2017-10-22

[21] **2,927,967**
[13] A1
[51] **Int.Cl. B03D 1/12 (2006.01)**
[25] EN
[54] **RECOVERY OF SOLVENTS FROM MIXED PRODUCTION FLUIDS AND SYSTEM FOR DOING SAME**
[54] **RECUPERATION DE SOLVANT DE FLUIDES DE PRODUCTION MELANGES ET SYSTEME EXECUTANT LADITE RECUPERATION**
[72] NENNIGER, JOHN, CA
[72] HOLCEK, RONALD GERRY, CA
[72] EICHHORN, MARK ANTHONY, CA
[72] VERMA, SANDEEP, CA
[72] FARRELL, SOLIMAR J., CA
[72] CHU, LIANJIANG, CA
[71] N-SOLV CORPORATION, CA
[22] 2016-04-22
[41] 2017-10-22

[21] **2,927,970**
[13] A1
[51] **Int.Cl. A01G 1/00 (2006.01) A01G 7/00 (2006.01)**
[25] EN
[54] **CULTIVATION METHOD AND APPARATUS**
[54] **METHODE DE CULTURE ET APPAREIL**
[72] DUMONT, GILLES, CA
[71] DUMONT, GILLES, CA
[22] 2016-04-22
[41] 2017-10-22

[21] **2,928,056**
[13] A1
[51] **Int.Cl. A61F 9/007 (2006.01) A61F 2/16 (2006.01)**
[25] EN
[54] **COLLAPSIBLE CAVITIES WITHIN SUSPENSION SYSTEMS FOR INTRA-OCULAR LENSES**
[54] **CAVITES ECRASABLES DANS LES MECANISMES DE SUSPENSION DESTINES A DES LENTILLES INTRAOCULAIRES**
[72] WEBB, GARTH T., CA
[71] VENTURA HOLDINGS LTD., CA
[22] 2016-04-22
[41] 2017-10-22

[21] **2,928,121**
[13] A1
[51] **Int.Cl. C08F 293/00 (2006.01) H01M 4/62 (2006.01)**
[25] FR
[54] **COPOLYMERIC BINDER**
[54] **LIANT COPOLYMERIQUE**
[72] DAIGLE, JEAN-CHRISTOPHE, CA
[72] ZAGHIB, KARIM, CA
[71] HYDRO-QUEBEC, CA
[22] 2016-04-22
[41] 2017-10-22

[21] **2,944,077**
[13] A1
[51] **Int.Cl. F24C 15/10 (2006.01)**
[25] EN
[54] **COOKTOP WITH REMOVABLE RECEPTACLE**
[54] **PLAQUE DE CUISSON A RECEPTACLE AMOVIBLE**
[72] MOK, ANDY, US
[71] BSH HOME APPLIANCES CORPORATION, US
[71] BSH HAUSGERATE GMBH, DE
[22] 2016-10-04
[41] 2017-10-22
[30] US (15/135,598) 2016-04-22

[21] **2,950,855**
[13] A1
[51] **Int.Cl. G01S 5/00 (2006.01)**
[25] EN
[54] **POSITION ACQUISITION METHOD AND APPARATUS**
[54] **METHODE ET APPAREIL D'ACQUISITION DE POSITION**
[72] PAN, ZHONGGUANG, CN
[72] TENG, YANMEI, CN
[72] GAO, YUYONG, CN
[72] YANG, SICHENG, CN
[71] PAN, ZHONGGUANG, CN
[22] 2016-12-07
[41] 2017-10-22
[30] CN (201610256647X) 2016-04-22

---

[21] **2,958,470**
[13] A1
[51] **Int.Cl. G01R 15/04 (2006.01) G01R 35/02 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR HIGH STABILITY PRECISION VOLTAGE DIVIDERS**
[54] **METHODES ET DISPOSITIFS DE DIVISEURS DE TENSION DE PRECISION A HAUTE STABILITE**
[72] TIMMONS, RICHARD, CA
[72] PERRAS, ANDRE, CA
[72] EVANS, MARK, CA
[71] GUILDLINE INSTRUMENTS LIMITED, CA
[22] 2017-02-21
[41] 2017-10-22
[30] US (62/326,293) 2016-04-22

---

[21] **2,961,686**
[13] A1
[51] **Int.Cl. E02D 19/12 (2006.01) E02D 19/06 (2006.01) E02D 29/00 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND APPARATUS FOR INTEGRATED WATER MANAGEMENT OF A BASEMENT**
[54] **SYSTEME, METHODE ET APPAREIL DE GESTION INTEGREE DE L'EAU D'UN SOUS-SOL**
[72] CLAPPER, JOSHUA E., US
[72] MATHIS, JIM, US
[72] DEAN, ROY L., US
[71] NORTH AMERICAN PIPE CORPORATION, US
[22] 2017-03-22
[41] 2017-10-22
[30] US (62/326,199) 2016-04-22
[30] US (15/459,065) 2017-03-15

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[21] **2,962,817**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 10/10 (2012.01)**
[25] EN
[54] **GENERATING NOTIFICATIONS USING LOGICAL GROUPINGS**
[54] **GENERATION DE NOTIFICATIONS AU MOYEN DE GROUPEMENTS LOGIQUES**
[72] ROUSH, MIKE, US
[72] SHAH, MILIN, US
[72] GILLEN, ROBERT J., US
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US
[22] 2017-03-31
[41] 2017-10-22
[30] US (62/326,061) 2016-04-22

---

[21] **2,963,660**
[13] A1
[51] **Int.Cl. B60K 11/08 (2006.01) B60R 19/52 (2006.01)**
[25] EN
[54] **ACTIVE GRILLE SHUTTER MULTI PART MODULAR FRAME**
[54] **CADRE MODULAIRE MULTIPARTITE A VOLET DE GRILLE ACTIF**
[72] RUPPERT, BENJAMIN R., US
[72] MANHIRE, JEFFREY B., US
[72] POVINELLI, ANTHONY J., US
[72] MATTHEWS, MARTIN R., US
[71] MAGNA INTERNATIONAL INC., CA
[22] 2017-04-07
[41] 2017-10-22
[30] US (15/136,180) 2016-04-22

---

[21] **2,964,136**
[13] A1
[51] **Int.Cl. F01D 25/04 (2006.01) F01D 5/26 (2006.01) F01D 25/16 (2006.01) F02C 7/06 (2006.01) F16C 17/02 (2006.01) F16C 33/10 (2006.01) F16F 15/027 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR A VARIABLE SQUEEZE FILM DAMPER**
[54] **SYSTEME ET METHODE DESTINES A UN ATTENUATEUR VARIABLE AMORTI PAR FILM D'HUILE**
[72] STEEN, TOD ROBERT, US
[72] ORKISZEWSKI, CHARLES STANLEY, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2017-04-13
[41] 2017-10-22
[30] US (15/135,908) 2016-04-22

---

[21] **2,964,147**
[13] A1
[51] **Int.Cl. G01N 27/64 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TRACE CHEMICAL DETECTION USING DUAL PHOTOIONIZATION SOURCES**
[54] **SYSTEME ET METHODES DE DETECTION DE TRACE DE PRODUIT CHIMIQUE AU MOYEN DE SOURCES DE PHOTO-IONISATION DOUBLES**
[72] VILKOV, ANDREY N., US
[71] MORPHO DETECTION, LLC, US
[22] 2017-04-13
[41] 2017-10-22
[30] US (15/135,679) 2016-04-22

[21] **2,964,243**
[13] A1
[51] **Int.Cl. E21B 47/007 (2012.01) E21B 47/00 (2012.01)**
[25] EN
[54] **STRESS ENGINEERING ASSESSMENT OF RISERS AND RISER STRINGS**
[54] **EVALUATION TECHNIQUE DE CONTRAINTE DE COLONNES MONTANTES ET DE TIGES DE COLONNE MONTANTE**
[72] PAPADIMITRIOU, STYLIANOS, US
[72] PAPADIMITRIOU, WANDA, US
[71] PAPADIMITRIOU, STYLIANOS, US
[71] PAPADIMITRIOU, WANDA, US
[22] 2017-04-12
[41] 2017-10-22
[30] US (15/136,282) 2016-04-22

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[21] **2,964,612**
[13] A1
[51] **Int.Cl. B64D 13/00 (2006.01) B64D 13/02 (2006.01) B64D 13/06 (2006.01)**
[25] EN
[54] **ENVIRONMENTAL CONTROL SYSTEM UTILIZING MULTIPLE MIX POINTS FOR RECIRCULATION AIR IN ACCORDANCE WITH PRESSURE MODE AND MOTOR ASSIST**
[54] **SYSTEME DE CONTROLE ENVIRONNEMENTAL EMPLOYANT PLUSIEURS POINTS DE MELANGE POUR L'AIR DE RECIRCULATION EN FONCTION DU MODE DE PRESSION ET ASSISTE PAR UN MOTEUR**
[72] BRUNO, LOUIS J., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2017-04-13
[41] 2017-10-22
[30] US (15/136,474) 2016-04-22

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[21] **2,964,613**
[13] A1
[51] **Int.Cl. B64D 13/00 (2006.01) B64D 13/08 (2006.01) F24F 3/04 (2006.01)**
[25] EN
[54] **ENVIRONMENTAL CONTROL SYSTEM UTILIZING CABIN AIR TO DRIVE A POWER TURBINE OF AN AIR CYCLE MACHINE AND UTILIZING MULTIPLE MIX POINTS FOR RECIRCULAITON AIR IN ACCORDANCE WITH PRESSURE MODE**
[54] **SYSTEME DE CONTROLE ENVIRONNEMENTAL EMPLOYANT L'AIR DE LA CABINE POUR ENTRAINER UNE TURBINE DE TRAVAIL D'UNE MACHINE A CYCLE D'AIR ET EMPLOYANT PLUSIEURS POINTS DE MELANGE POUR L'AIR DE RECIRCULATION EN FONCTION DU MODE DE PRESSION**
[72] BRUNO, LOUIS J., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2017-04-13
[41] 2017-10-22
[30] US (15/136,533) 2016-04-22

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[21] **2,964,619**
[13] A1
[51] **Int.Cl. B01D 53/02 (2006.01) B01D 39/02 (2006.01) B01D 46/00 (2006.01) B01D 53/96 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR REMOVAL OF POLLUTANTS FROM GAS STREAMS**
[54] **DISPOSITIF ET METHODE D'EXTRACTION DE POLLUANTS DES FLUX DE GAZ**
[72] WEAGLE, GLENN E., CA
[72] DANROTH, ALLAN R., CA
[72] DUHAIME, KEITH M., CA
[71] PURE DRAGON ENVIRONMENTAL LTD., CA
[22] 2017-04-20
[41] 2017-10-22
[30] US (62326452) 2016-04-22

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[21] **2,964,650**
[13] A1
[51] **Int.Cl. F21K 9/275 (2016.01) F21V 29/70 (2015.01) F21V 7/00 (2006.01)**
[25] EN
[54] **A LIGHTING DEVICE**
[54] **UN DISPOSITIF D'ECLAIRAGE**
[72] WANG, WEI, CN
[72] ZHU, MEIXIU, CN
[72] ZHANG, CHENGUANG, CN
[71] GE LIGHTING SOLUTIONS, LLC, US
[22] 2017-04-20
[41] 2017-10-22
[30] CN (201610255262.1) 2016-04-22

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[21] **2,964,656**
[13] A1
[51] **Int.Cl. H01J 5/48 (2006.01) F21K 9/235 (2016.01) H01J 5/50 (2006.01)**
[25] EN
[54] **ANTI-DETACHMENT CAPPER FOR LED RETROFIT LAMPS**
[54] **CAPSULEUR ANTI DETACHEMENT DESTINE A DES LAMPES DEL ADAPTEES**
[72] FANG, MIN, CN
[72] JIANG, SHENG, CN
[72] RAMAIAH, RAGHU, US
[72] LONG, QI, CN
[72] QIN, SHUYI, CN
[72] LI, YON, CN
[71] GENERAL ELECTRIC COMPANY, US
[22] 2017-04-20
[41] 2017-10-22
[30] US (62/326,404) 2016-04-22
[30] US (15/373,707) 2016-12-09

---

[21] **2,964,695**
[13] A1
[51] **Int.Cl. H01Q 23/00 (2006.01) H04B 7/0413 (2017.01)**
[25] EN
[54] **ANTENNA APERTURE TUNING AND RELATED METHODS**
[54] **SYNTONISATION D'OUVERTURE D'ANTENNE ET METHODES ASSOCIEES**
[72] WONG, JOSHUA KWAN HO, CA
[71] BLACKBERRY LIMITED, CA
[22] 2017-04-19
[41] 2017-10-22
[30] US (15/136424) 2016-04-22

[21] **2,964,708**
[13] A1
[51] **Int.Cl. A62D 5/00 (2006.01) D03D 15/12 (2006.01)**
[25] EN
[54] **PROTECTIVE FABRIC AND PROCESS OF MANUFACTURING SAME**
[54] **TISSU PROTECTEUR ET PROCEDE DE FABRICATION ASSOCIE**
[72] PARKER, EDWARD (TED), CA
[72] KASPER, DAVID, CA
[71] GENERAL RECYCLED, CA
[22] 2017-04-19
[41] 2017-10-22
[30] US (62/326,497) 2016-04-22

---

[21] **2,964,715**
[13] A1
[51] **Int.Cl. H02M 3/33 (2006.01) H02M 1/02 (2006.01)**
[25] EN
[54] **GAS TUBE-SWITCHED HIGH VOLTAGE DC POWER CONVERTER**
[54] **CONVERTISSEUR DE HAUTE TENSION CC A CIRCUIT COMMUTE A TUBE A GAZ**
[72] SHE, XU, US
[72] BRAY, JAMES WILLIAM, US
[72] SOMMERER, TIMOTHY JOHN, US
[72] CHOKHAWALA, RAHUL, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2017-04-20
[41] 2017-10-22
[30] US (15/136,375) 2016-04-22

---

[21] **2,964,750**
[13] A1
[51] **Int.Cl. A01C 23/02 (2006.01) A01B 35/00 (2006.01)**
[25] EN
[54] **LAND CULTIVATING SYSTEMS AND METHODS UTILIZING HIGH-PRESSURE FLUID JET CUTTING TECHNIQUES**
[54] **SYSTEMES DE CULTURE DE LA TERRE ET METHODE D'UTILISATION DE TECHNIQUES DE COUPE A JET DE FLUIDE HAUTE PRESSION**
[72] BUTLER, GREGORY DEAN, AU
[72] MARTEL, JEFFREY EVAN, CA
[72] HASHISH, MOHAMED A., US
[72] VIDIL, JEAN-CHRISTOPHE, FR
[71] FLOW INTERNATIONAL CORPORATION, US
[22] 2017-04-19
[41] 2017-10-22
[30] US (15/136,623) 2016-04-22

---

[21] **2,964,801**
[13] A1
[51] **Int.Cl. F21V 21/04 (2006.01) F21S 8/02 (2006.01) F21V 21/14 (2006.01) F21V 29/70 (2015.01)**
[25] EN
[54] **ADJUSTMENT ASSEMBLY FOR A LIGHTING DEVICE**
[54] **DISPOSTIF D'AJUSTEMENT DESTINE A UN APPAREIL ELECTRIQUE**
[72] EIDSVOLD, KEVIN BRIAN, US
[72] SPREMO, AIDA, US
[72] SPICER, JONATHAN, US
[71] INTENSE LIGHTING, LLC, US
[22] 2017-04-21
[41] 2017-10-22
[30] US (62/326,110) 2016-04-22
[30] US (15/383,464) 2016-12-19

---

[21] **2,964,836**
[13] A1
[51] **Int.Cl. C04B 41/87 (2006.01)**
[25] EN
[54] **SLURRY-BASED REACTION BONDED ENVIRONMENTAL BARRIER COATINGS**
[54] **REVETEMENTS PROTECTEURS ENVIRONNEMENTAUX LIES PAR REACTION A BASE DE BOUE**
[72] NASIRI, NASRIN AL, GB
[72] LANDWEHR, SEAN E., US
[72] CHAMBERLAIN, ADAM LEE, US
[72] LEE, WILLIAM EDWARD, GB
[71] ROLLS-ROYCE CORPORATION, US
[71] ROLLS-ROYCE PLC, GB
[22] 2017-04-20
[41] 2017-10-22
[30] US (15/488,037) 2017-04-14
[30] US (62/326,543) 2016-04-22

---

[21] **2,964,894**
[13] A1
[51] **Int.Cl. H02P 25/06 (2016.01) B60L 13/03 (2006.01) B65G 23/18 (2006.01) B65G 23/23 (2006.01) B65G 54/02 (2006.01) H02K 41/02 (2006.01)**
[25] EN
[54] **STATOR SEGMENT FOR A LINEAR MOTOR-BASED TRANSPORT SYSTEM AND TRANSPORT SYSTEM**
[54] **SEGMENT DE STATOR DESTINE A UN SYSTEME DE TRANSPORT FONDE SUR UN MOTEUR LINEAIRE ET SYSTEME DE TRANSPORT**
[72] ALBERT, FABIAN, DE
[72] GIERDEN, MARCO, DE
[72] HARTRAMPH, RALF, DE
[72] JANTSCH, MICHAEL, DE
[72] ROTHE, SVEN, DE
[72] SPINDLER, CARSTEN, DE
[72] VEIT, ANDREAS, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[71] FESTO AG & CO. KG, DE
[22] 2017-04-20
[41] 2017-10-22
[30] EP (16166648.2) 2016-04-22

[21] **2,964,899**
[13] A1
[51] **Int.Cl. H02P 25/06 (2016.01) H02K 41/02 (2006.01)**
[25] EN
[54] **SEGMENT, LINEAR DRIVE AND METHOD FOR OPERATING A LINEAR DRIVE**
[54] **SEGMENT, ENTRAINEMENT LINEAIRE ET METHODE D'UTILISATION D'UN ENTRAINEMENT LINEAIRE**
[72] HAMIK, REINHOLD, DE
[72] ALBERT, FABIAN, DE
[72] HARTRAMPH, RALF, DE
[72] VEIT, ANDREAS, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[71] FETSO AG & CO. KG, DE
[22] 2017-04-20
[41] 2017-10-22
[30] EP (16166626.8) 2016-04-22

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[21] **2,964,903**
[13] A1
[51] **Int.Cl. G01M 13/02 (2006.01) B65G 23/23 (2006.01) B65G 43/00 (2006.01)**
[25] EN
[54] **METHOD, LINEAR DRIVE AND INSTALLATION**
[54] **METHODE, ENTRAINEMENT LINEAIRE ET INSTALLATION**
[72] ALBERT, FABIAN, DE
[72] HARTRAMPH, RALF, DE
[72] HOFMANN, CHRIS, DE
[72] JANTSCH, MICHAEL, DE
[72] ROTHE, SVEN, DE
[72] SPINDLER, CARSTEN, DE
[72] VEIT, ANDREAS, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[71] FETSO AG & CO. KG, DE
[22] 2017-04-20
[41] 2017-10-22
[30] EP (16166630.0) 2016-04-22

---

[21] **2,964,924**
[13] A1
[51] **Int.Cl. H04W 4/24 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MOBILE DATA TOP-UP**
[54] **SYSTEME ET METHODE DE COMPLEMENT DE DONNEES MOBILES**
[72] PEEBLES, BRIAN, US
[72] DINGEMANS, FREDERIC, CA
[72] MENARD, PATRICK, CA
[71] TATA COMMUNICATIONS (AMERICA) INC., US
[22] 2017-04-21
[41] 2017-10-22
[30] US (62/326,135) 2016-04-22
[30] US (15/489,054) 2017-04-17

---

[21] **2,964,933**
[13] A1
[51] **Int.Cl. B65D 6/02 (2006.01)**
[25] EN
[54] **ODOR-PROOF CONTAINER FOR PERSONAL ITEMS**
[54] **CONTENANT ANTI-ODEUR DESTINE AUX ARTICLES PERSONNELS**
[72] SHOPSOWITZ, NOAH, CA
[71] SHOPSOWITZ, NOAH, CA
[22] 2017-04-24
[41] 2017-10-22
[30] US (62/326,321) 2016-04-22

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[21] **2,964,936**
[13] A1
[51] **Int.Cl. H04L 12/16 (2006.01) G06F 15/18 (2006.01) G06F 17/20 (2006.01) G06F 17/27 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FACILITATING COMPUTER GENERATED CONVERSATIONS WITH THE AID OF A DIGITAL COMPUTER**
[54] **SYSTEME ET METHODE PERMETTANT DE TENIR DES CONVERSATIONS GENEREES PAR L'ORDINATEUR A L'AIDE D'UN ORDINATEUR NUMERIQUE**
[72] LALJI, ALKARIM, US
[72] WELLS, ANDREW A., US
[71] SMARTBOTHUB LLC, US
[22] 2017-04-24
[41] 2017-10-22
[30] US (62/326,274) 2016-04-22
[30] US (15/494,385) 2017-04-21

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[21] **2,964,945**
[13] A1
[51] **Int.Cl. G01R 33/565 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PRODUCING DISTORTION FREE MAGNETIC RESONANCE IMAGES USING DUAL-ECHO ECHO-PLANAR IMAGING**
[54] **SYSTEME ET METHODE DE PRODUCTION D'IMAGES DE RESONANCE MAGNETIQUE SANS DISTORSION AU MOYEN DE L'IMAGERIE ECHOPLANAIRE A DOUBLE ECH0**
[72] GERAGHTY, BENJAMIN J., CA
[72] CUNNINGHAM, CHARLES H., CA
[71] SUNNYBROOK RESEARCH INSTITUTE, CA
[22] 2017-04-24
[41] 2017-10-22
[30] US (62/326,314) 2016-04-22

---

[21] **2,964,987**
[13] A1
[51] **Int.Cl. B64D 13/00 (2006.01) B64D 13/02 (2006.01) B64D 13/06 (2006.01)**
[25] EN
[54] **ENVIRONMENTAL CONTROL SYSTEM UTILIZING A MOTOR ASSIST AND AN ENHANCED COMPRESSOR**
[54] **SYSTEME DE CONTROLE ENVIRONNEMENTAL EMPLOYANT UNE ASSISTANCE MOTEUR ET UN COMPRESSEUR AMELIORE**
[72] BRUNO, LOUIS J., US
[72] HIPSKY, HAROLD W., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2017-04-20
[41] 2017-10-22
[30] US (15/136,210) 2016-04-22

[21] **2,964,989**
[13] A1
[51] **Int.Cl. B64D 13/00 (2006.01) B64D 13/02 (2006.01) B64D 13/06 (2006.01)**
[25] EN
[54] **ENVIRONMENTAL CONTROL SYSTEM UTILIZING BLEED PRESSURE ASSIST**
[54] **SYSTEME DE CONTROLE ENVIRONNEMENTAL EMPLOYANT UNE AIDE DE PRESSION DE PURGE**
[72] BRUNO, LOUIS J., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2017-04-20
[41] 2017-10-22
[30] US (15/136,403) 2016-04-22

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[21] **2,964,992**
[13] A1
[51] **Int.Cl. B64D 13/06 (2006.01) B64D 13/00 (2006.01) B64D 13/02 (2006.01)**
[25] EN
[54] **ENVIRONMENTAL CONTROL SYSTEM UTILIZING MULTIPLE MIX POINTS FOR RECIRCULATION AIR IN ACCORDANCE WITH PRESSURE MODE**
[54] **SYSTEME DE CONTROLE ENVIRONNEMENTAL EMPLOYANT PLUSIEURS POINTS DE MELANGE POUR L'AIR DE RECIRCULATION EN FONCTION DU MODE DE PRESSION**
[72] BRUNO, LOUIS J., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2017-04-20
[41] 2017-10-22
[30] US (15/136,261) 2016-04-22

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[21] **2,964,994**
[13] A1
[51] **Int.Cl. F24F 5/00 (2006.01) B64D 13/00 (2006.01)**
[25] EN
[54] **ENVIRONMENTAL CONTROL SYSTEM UTILIZING TWO PASS SECONDARY HEAT EXCHANGER AND CABIN PRESSURE ASSIST**
[54] **SYSTEME DE CONTROLE ENVIRONNEMENTAL EMPLOYANT UN ECHANGEUR THERMIQUE SECONDAIRE A DEUX PASSAGES ET ASSISTE PAR CABINE DE PRESSION**
[72] BRUNO, LOUIS J., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2017-04-20
[41] 2017-10-22
[30] US (15/136,139) 2016-04-22

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[21] **2,965,005**
[13] A1
[51] **Int.Cl. A01C 7/16 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **ROW PLANTER WITH ADJUSTABLE GAUGE WHEELS**
[54] **SEMEUSE A ROUES DE JAUGE AJUSTABLES**
[72] SIVINSKI, JEFFREY ALAN, US
[72] FRIESEN, BYRON J., US
[71] HARVEST INTERNATIONAL, INC., US
[22] 2017-04-21
[41] 2017-10-22
[30] US (62/326063) 2016-04-22
[30] US (15/493382) 2017-04-21

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[21] **2,965,007**
[13] A1
[51] **Int.Cl. H02J 7/35 (2006.01) F21L 4/08 (2006.01) F21V 23/04 (2006.01) H05B 37/02 (2006.01)**
[25] EN
[54] **INTEGRATED LIGHTING SYSTEM**
[54] **SYSTEME D'ECLAIRAGE INTEGRE**
[72] WEISER, MICHAEL, US
[72] WEISER, MARGARET, US
[71] EXHART ENVIRONMENTAL SYSTEMS, INC., US
[22] 2017-04-21
[41] 2017-10-22
[30] US (62/326,493) 2016-04-22
[30] US (15/487,204) 2017-04-13

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[21] **2,965,011**
[13] A1
[51] **Int.Cl. F16B 37/12 (2006.01) B23P 6/00 (2006.01)**
[25] EN
[54] **THREAD REPAIR INSERT**
[54] **INSERTION DE REPARATION FILETEE**
[72] SCHUCK, PAUL E., US
[71] UNDERCAR EXPRESS, LLC, US
[22] 2017-04-24
[41] 2017-10-22
[30] US (62/326,383) 2016-04-22

---

[21] **2,965,018**
[13] A1
[51] **Int.Cl. H05B 6/10 (2006.01) F17D 1/18 (2006.01) F24H 1/14 (2006.01) H05B 6/06 (2006.01)**
[25] EN
[54] **INDUCTIVE HEATER FOR FLUIDS**
[54] **APPAREIL DE CHAUFFAGE DE FLUIDES PAR INDUCTION**
[72] HOFFMAN, MICHAEL, US
[72] WANG, SHUPING, US
[72] DEESE, ANTHONY S., US
[71] HYDRA HEATING INDUSTRIES, LLC, US
[22] 2017-04-24
[41] 2017-10-24
[30] US (62/326,824) 2016-04-24
[30] US (62/331,987) 2016-05-05

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[21] **2,965,020**
[13] A1
[51] **Int.Cl. B64D 13/00 (2006.01) B64D 13/02 (2006.01) F04D 29/26 (2006.01) F04D 29/40 (2006.01) F24F 5/00 (2006.01)**
[25] EN
[54] **ENVIRONMENTAL CONTROL SYSTEM UTILIZING ENHANCED COMPRESSOR**
[54] **SYSTEME DE CONTROLE ENVIRONNEMENTAL EMPLOYANT UN COMPRESSEUR AMELIORE**
[72] BRUNO, LOUIS J., US
[72] HIPSKY, HAROLD W., US
[71] HAMILTON SUNDSTRAND CORPORATION, US
[22] 2017-04-21
[41] 2017-10-22
[30] US (15/136,329) 2016-04-22

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] **2,965,056**
[13] A1
[51] **Int.Cl. G01R 29/26 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR EXTRACTION OF NOISE PARAMETERS OF NONLINEAR DEVICES**
[54] **METHODE ET SYSTEME D'EXTRACTION DE PARAMETRES DE BRUIT DE DISPOSITIFS NON LINEAIRES**
[72] BELOSTOTSKI, LEO, CA
[72] HIMMELFARB, MICHAEL, CA
[71] UTI LIMITED PARTNERSHIP, CA
[22] 2017-04-21
[41] 2017-10-22
[30] US (62/326,458) 2016-04-22
[30] US (62/376,281) 2016-08-17

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[21] **2,965,057**
[13] A1
[51] **Int.Cl. B62H 3/02 (2006.01)**
[25] EN
[54] **RACK FOR SUPPORTING A BICYCLE IN A GENERALLY UPRIGHT POSITION**
[54] **SUPPORT DESTINE A MAINTENIR UNE BICYCLETTE DANS UNE POSITION GENERALEMENT VERTICALE**
[72] LITTLE, DENNIS CHARLES, CA
[71] LITTLE, DENNIS CHARLES, CA
[22] 2017-04-24
[41] 2017-10-22
[30] US (15/135,814) 2016-04-22

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[21] **2,965,068**
[13] A1
[51] **Int.Cl. E21B 34/06 (2006.01) E21B 47/00 (2012.01) E21B 47/10 (2012.01)**
[25] EN
[54] **APPARATUS, SYSTEMS AND METHODS FOR CONTROLLING FLOW COMMUNICATION WITH A SUBTERRANEAN FORMATION**
[54] **APPAREIL, SYSTEMES ET METHODES DE CONTROLE DE LA COMMUNICATION DU FLUX DANS UNE FORMATION SOUTERRAINE**
[72] JOHNSON, TIM, CA
[72] RAVENSBERGEN, JOHN, CA
[71] NCS MULTISTAGE INC., CA
[22] 2017-04-24
[41] 2017-10-22
[30] US (62/326,306) 2016-04-22

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[21] **2,965,291**
[13] A1
[51] **Int.Cl. A01K 5/01 (2006.01) A01K 5/00 (2006.01)**
[25] EN
[54] **BALE FEEDER APPARATUS, SYSTEM AND METHOD**
[54] **APPAREIL D'ALIMENTATION DE BALLOT, SYSTEME ET METHODE**
[72] STUDEBAKER, ROBERT L., JR., US
[71] STUDEBAKER, ROBERT L., JR., US
[22] 2017-04-24
[41] 2017-10-22
[30] US (62/326,500) 2016-04-22
[30] US (62/365,324) 2016-07-21

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[21] **2,977,184**
[13] A1
[51] **Int.Cl. C07C 303/22 (2006.01) C07C 309/14 (2006.01)**
[25] EN
[54] **CYCLIC PROCESS FOR PRODUCING TAURINE**
[54] **PROCEDE CYCLIQUE DE PRODUCTION DE TAURINE**
[72] HU, SONGZHOU, US
[71] VITAWORKS IP, LLC, US
[22] 2017-08-24
[41] 2017-10-24
[30] US (15/268,071) 2016-09-16

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[21] **2,977,206**
[13] A1
[51] **Int.Cl. F41H 9/00 (2006.01) F42B 12/46 (2006.01)**
[25] EN
[54] **TABLETS ENCASED WITHIN BLOCK FOR CHEMICAL OR BIOCHEMICAL WARFARE**
[54] **CAPLETS ENCAPSULES DANS UN BLOC EN VUE DE LA GUERRE CHIMIQUE OU BIOCHIMIQUE**
[72] JOEL, KEVIN, CA
[71] JOEL, KEVIN, CA
[22] 2017-08-29
[41] 2017-10-24

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[21] **2,979,622**
[13] A1
[51] **Int.Cl. G06F 9/50 (2006.01)**
[25] EN
[54] **REMOTE PROCESS EXECUTION MANAGEMENT**
[54] **GESTION D'EXECUTION DE PROCESSUS A DISTANCE**
[72] JENKINS, JONATHAN A., US
[72] TAYLOR, BRETT R., US
[71] AMAZON TECHNOLOGIES, INC., US
[22] 2012-09-19
[41] 2013-03-28
[62] 2,848,747
[30] US (13/239,187) 2011-09-21

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[21] **2,979,772**
[13] A1
[51] **Int.Cl. G05B 19/042 (2006.01) H04W 16/20 (2009.01) H04W 92/02 (2009.01) F24D 19/10 (2006.01) F24F 11/00 (2006.01) G05B 21/02 (2006.01) H04B 1/40 (2015.01)**
[25] EN
[54] **WIRELESS BUILDING MANAGEMENT SYSTEM AND METHOD USING A BUILDING MODEL**
[54] **SYSTEME DE GESTION D'IMMEUBLE SANS FIL ET PROCEDE UTILISANT UN MODELE D'IMMEUBLE**
[72] ROSCA, JUSTINIAN, US
[72] AHMED, OSMAN, US
[72] SASTRY, CHELLURY R., US
[72] LEBLANC, RICHARD J., US
[71] SIEMENS INDUSTRY, INC., US
[71] SIEMENS CORPORATION, US
[22] 2009-09-03
[41] 2010-03-11
[62] 2,896,430
[30] US (61/093,816) 2008-09-03

[21] **2,980,067**
[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01) H04M 3/527 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CUSTOMER CONTACT**
[54] **SYSTEMES ET PROCEDES PERMETTANT UN CONTACT CLIENT**
[72] JAY, JON R., US
[72] DASHE, JEREMY A., US
[72] JUDKINS, BROCK A., US
[72] KAUFMAN, DONALD L., US
[72] LIN, YUNG-CHUN, US
[72] SHARPE, RAYMOND P., JR., US
[72] SULLIVAN, JOSEPH D., US
[72] WEILAND, THOMAS J., US
[72] KIDWAI, TAUSEEF, US
[71] AMAZON TECHNOLOGIES, INC., US
[22] 2010-08-25
[41] 2011-03-03
[62] 2,771,704
[30] US (12/547,387) 2009-08-25
[30] US (12/547,370) 2009-08-25

[21] **2,980,359**
[13] A1
[51] **Int.Cl. A61F 13/00 (2006.01) A61F 5/30 (2006.01) A61M 27/00 (2006.01)**
[25] EN
[54] **REDUCED-PRESSURE, COMPRESSION SYSTEMS AND APPARATUSES FOR USE ON A CURVED BODY PART**
[54] **SYSTEMES ET APPAREILS DE COMPRESSION A PRESSION REDUITE DESTINES A ETRE UTILISES SUR UNE PARTIE INCURVEE DU CORPS**
[72] WILKES, ROBERT PEYTON, US
[72] LONG, JUSTIN ALEXANDER, US
[72] KAZALA, RICHARD MARVIN, JR., US
[71] KCI LICENSING, INC., US
[22] 2009-05-29
[41] 2009-12-30
[62] 2,726,027
[30] US (61/057,797) 2008-05-30
[30] US (61/057,807) 2008-05-30
[30] US (61/057,810) 2008-05-30
[30] US (61/057,798) 2008-05-30
[30] US (61/057,803) 2008-05-30
[30] US (61/057,800) 2008-05-30
[30] US (61/057,808) 2008-05-30
[30] US (61/057,802) 2008-05-30
[30] US (61/057,805) 2008-05-30
[30] US (61/121,362) 2008-12-10
[30] US (61/144,067) 2009-01-12

[21] **2,980,599**
[13] A1
[51] **Int.Cl. C09K 11/80 (2006.01) C01F 7/02 (2006.01) C01F 7/30 (2006.01) C01F 7/44 (2006.01) C09K 11/64 (2006.01)**
[25] EN
[54] **ALUMINA, LUMINOPHORES AND MIXED COMPOUNDS, AND ASSOCIATED PRODUCTION METHODS**
[54] **ALUMINE, LUMINOPHORES ET COMPOSES MIXTES AINSI QUE PROCEDES DE PREPARATION ASSOCIES**
[72] BONNEAU, LIONEL, FR
[71] BAIKOWSKI, FR
[22] 2010-03-18
[41] 2010-09-23
[62] 2,756,011
[30] FR (0901317) 2009-03-20

[21] **2,980,607**
[13] A1
[51] **Int.Cl. H04L 12/805 (2013.01) H04L 12/873 (2013.01) H04L 12/875 (2013.01)**
[25] EN
[54] **RESOURCE SHARING IN A TELECOMMUNICATIONS ENVIRONMENT**
[54] **PARTAGE DE RESSOURCES DANS UN ENVIRONNEMENT DE TELECOMMUNICATIONS**
[72] TZANNES, MARCOS C., US
[72] LUND, MICHAEL, US
[71] TQ DELTA, LLC, US
[22] 2005-10-11
[41] 2006-04-27
[62] 2,909,150
[30] US (60/618,269) 2004-10-12

[21] **2,980,613**
[13] A1
[51] **Int.Cl. E21B 43/10 (2006.01) E21B 33/14 (2006.01) E21B 34/06 (2006.01) E21B 34/16 (2006.01)**
[25] EN
[54] **TELEMETRY OPERATED TOOLS FOR CEMENTING A LINER STRING**
[54] **OUTILS EXPLOITES PAR TELEMETRIE SERVANT A CIMENTER UNE COLONNE DE TUBAGE**
[72] GIROUX, RICHARD LEE, US
[72] PURKIS, DANIEL, GB
[72] DALZELL, RICHARD, GB
[72] DUTHIE, JASON, GB
[72] JAFFREY, IAN, GB
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[22] 2014-04-11
[41] 2014-10-16
[62] 2,908,994
[30] US (61/811,007) 2013-04-11
[30] US (61/841,058) 2013-06-28
[30] US (61/950,421) 2014-03-10
[30] US (14/250,162) 2014-04-10

[21] **2,980,782**
[13] A1
[51] **Int.Cl. A01N 1/02 (2006.01) A61M 16/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR EX VIVO ORGAN CARE**
[54] **SYSTEMES ET METHODES DE TRAITEMENT EX VIVO D'ORGANES**
[72] KYI, STANLEY, US
[72] HAVENER, ROBERT, US
[72] HASSANEIN, WALEED, US
[72] KHAYAL, TAMER, US
[72] SALEH, HESHAM, US
[72] FATTAH, IHAB ABDEL, US
[72] TRACHTENBERG, JON, US
[71] TRANSMEDICS, INC., US
[22] 2007-04-19
[41] 2007-11-01
[62] 2,881,613
[30] US (60/793,472) 2006-04-19

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] **2,980,883**
[13] A1
[51] **Int.Cl. C07K 16/10 (2006.01) C07K 14/16 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01) C12Q 1/70 (2006.01)**
[25] EN
[54] **HUMAN IMMUNODEFICIENCY VIRUS (HIV)-NEUTRALIZING ANTIBODIES**
[54] **ANTICORPS NEUTRALISANTS ANTI-VIRUS DE L'IMMUNODEFICIENCE HUMAINE (VIH)**
[72] CHAN-HUI, PO-YING, US
[72] MITCHAM, JENNIFER, US
[72] OLSEN, OLE, US
[72] FREY, STEVEN, US
[72] MOYLE, MATTHEW, US
[72] PHOGAT, SANJAY K., US
[72] BURTON, DENNIS R., US
[72] WALKER, LAURA MARJORIE, US
[72] POIGNARD, PASCAL RAYMOND GEORGES, US
[72] DE JEAN DE ST. MARCEL SIMEK-LEMOS, MELISSA DANIELLE, US
[72] KOFF, WAYNE, US
[72] KAMINSKY, STEPHEN, US
[71] THERACLONE SCIENCES, INC., US
[71] INTERNATIONAL AIDS VACCINE INITIATIVE, US
[71] THE SCRIPPS RESEARCH INSTITUTE, US
[22] 2010-03-17
[41] 2010-09-23
[62] 2,755,821
[30] US (61/224,739) 2009-07-10
[30] US (61/165,829) 2009-04-01
[30] US (61/161,010) 2009-03-17
[30] US (61/285,664) 2009-12-11

[21] **2,981,388**
[13] A1
[51] **Int.Cl. C22C 38/00 (2006.01)**
[25] EN
[54] **PROCESS FOR SETTING THE THERMAL CONDUCTIVITY OF A STEEL, TOOL STEEL, IN PARTICULAR HOT-WORK STEEL, AND STEEL OBJECT**
[54] **PROCEDE D'AJUSTEMENT DE LA CONDUCTIVITE THERMIQUE D'UN ACIER, ACIER A OUTILS, NOTAMMENT ACIER A OUTILS POUR TRAVAIL A CHAUD ET ARTICLE EN ACIER**
[72] VALLS ANGLES, ISAAC, ES
[71] ROVALMA, S.A., ES
[22] 2007-06-08
[41] 2008-02-14
[62] 2,659,849
[30] EP (06118672.2) 2006-08-09

[21] **2,981,431**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/7105 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR THE TREATMENT OF PERSISTENT INFECTIONS**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT D'INFECTIONS PERSISTANTES**
[72] FREEMAN, GORDON, US
[72] SHARPE, ARLENE, US
[72] DORFMAN, DAVID M., US
[72] AHMED, RAFI, US
[72] BARBER, DANIEL, US
[72] WHERRY, E. JOHN, US
[71] DANA-FARBER CANCER INSTITUTE INC., US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[71] EMORY UNIVERSITY, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[22] 2006-06-08
[41] 2006-12-14
[62] 2,611,861
[30] US (60/688,872) 2005-10-08

[21] **2,981,441**
[13] A1
[51] **Int.Cl. H01M 4/04 (2006.01)**
[25] EN
[54] **WEB LIFTER/STABILIZER AND METHOD**
[54] **DISPOSITIF DE LEVAGE/STABILISATEUR DE BANDE ET PROCEDE ASSOCIE**
[72] ANDERSON, KIM A., US
[72] MAKI, ERIC, US
[72] GLENN, GEORGE, US
[71] MEGTEC SYSTEMS, INC., US
[22] 2012-06-04
[41] 2012-12-06
[62] 2,836,081
[30] US (61/493,046) 2011-06-03

[21] **2,981,471**
[13] A1
[51] **Int.Cl. C09K 3/00 (2006.01) C08J 9/14 (2006.01) C09K 5/04 (2006.01)**
[25] EN
[54] **AZEOTROPE-LIKE COMPOSITIONS OF CIS-1,1,1,4,4,4-HEXAFLUORO-2-BUTENE**
[54] **COMPOSITIONS DE TYPE AZEOTROPE DE CIS-1,1,1,4,4,4-HEXAFLUORO-2-BUTENE**
[72] CHENEY, MARTIN (DECEASED), US
[72] HULSE, RYAN, US
[72] SINGH, RAJIV RATNA, US
[72] PAONESSA, MARTIN R., US
[72] PHAM, HANG T., US
[72] BOGDAN, MARY, US
[72] GITTERE, CLIFF, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2010-12-15
[41] 2011-07-14
[62] 2,784,484
[30] US (61/287,041) 2009-12-16
[30] US (12/967,522) 2010-12-14

[21] **2,982,016**
[13] A1
[51] **Int.Cl. B05B 7/28 (2006.01)**
[25] EN
[54] **SYSTEM COMPRISING A SPRAY COATING DEVICE WITH A LIQUID SUPPLY CONTAINER**
[54] **RECIPIENT DE LIQUIDE POUR UN DISPOSITIF DE REVETEMENT PAR PULVERISATION**
[72] BURNS, MARVIN DEAN, US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2011-07-11
[41] 2012-01-19
[62] 2,805,291
[30] US (61/363,637) 2010-07-12
[30] US (13/050,928) 2011-03-17

---

[21] **2,982,084**
[13] A1
[51] **Int.Cl. G06Q 40/04 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMPROVING THE LIQUIDITY AND DISTRIBUTION NETWORK FOR LUXURY AND OTHER ILLIQUID ITEMS**
[54] **SYSTEMES ET METHODES D'AMELIORATION DE LA LIQUIDITE ET DU RESEAU DE DISTRIBUTION D'ARTICLES DE LUXE ET AUTRES ARTICLES ILLIQUIDES**
[72] LUTNICK, HOWARD W., US
[72] HEATON, TIMOTHY H., US
[71] BGC PARTNERS, INC., US
[22] 2002-12-06
[41] 2003-06-26
[62] 2,469,794
[30] US (60/340,328) 2001-12-13
[30] US (10/281,166) 2002-10-28

---

[21] **2,982,981**
[13] A1
[51] **Int.Cl. E02B 3/16 (2006.01) E02B 3/10 (2006.01) E02B 7/00 (2006.01) E02B 7/02 (2006.01) E02B 7/44 (2006.01)**
[25] EN
[54] **WATER CONTROL GATE AND ACTUATOR THEREFORE**
[54] **VANNE DE GARDE D'EAU ET ACTIONNEUR CORRESPONDANT**
[72] OBERMEYER, HENRY K., US
[72] MO, T.W., KR
[72] ECKMAN, ROBERT D., US
[71] OBERMEYER, HENRY K., US
[22] 2002-07-09
[41] 2003-01-23
[62] 2,747,379
[30] US (60/304263) 2001-07-09
[30] US (60/329090) 2001-10-13
[30] US (60/334870) 2001-10-18
[30] US (60/343834) 2001-10-19
[30] US (60/379401) 2002-05-09

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[21] **2,983,135**
[13] A1
[51] **Int.Cl. A01D 87/00 (2006.01) A01D 87/12 (2006.01) A01F 29/00 (2006.01)**
[25] EN
[54] **TWINE SHEAR FOR A BALE PROCESSOR**
[54] **APPAREIL DE RETOURNEMENT DE BALLES DESTINE A UN APPAREIL DE TRAITEMENT DE BALLES**
[72] NEUDORF, BLAKE, CA
[72] SUMMACH, MONTGOMERIE, CA
[72] DOKKEN, JOEL, CA
[72] KONDRA, GENE, CA
[71] HIGHLINE MANUFACTURING LTD., CA
[22] 2016-02-11
[41] 2017-08-11
[62] 2,920,470

---

[21] **2,983,178**
[13] A1
[51] **Int.Cl. G06F 3/0481 (2013.01) G06F 3/0488 (2013.01)**
[25] EN
[54] **PORTABLE ELECTRONIC DEVICE WITH INTERFACE RECONFIGURATION MODE**
[54] **DISPOSITIF ELECTRONIQUE PORTABLE A MODE DE RECONFIGURATION D'INTERFACE**
[72] VAN OS, MARCEL, US
[72] ANZURES, FREDDY A., US
[72] FORSTALL, SCOTT, US
[72] CHRISTIE, GREG, US
[72] ORDING, BAS, US
[72] CHAUDHRI, IMRAN, US
[72] LEMAY, STEPHEN O., US
[71] APPLE COMPUTER, INC., US
[22] 2006-12-28
[41] 2007-08-23
[62] 2,890,778
[30] US (60/755,368) 2005-12-30
[30] US (11/459,602) 2006-07-24

---

[21] **2,983,222**
[13] A1
[51] **Int.Cl. F16L 37/08 (2006.01) A61M 39/18 (2006.01) F16L 37/12 (2006.01) F16L 37/30 (2006.01)**
[25] EN
[54] **STERILE CONNECTION/DISCONNECTION COUPLING AND METHOD**
[54] **COUPLAGE ET PROCEDE DE LIAISON/SEPARATION STERILE**
[72] VIGNA, JAMES, US
[72] MULDOON, JOSEPH, US
[72] CIECIUCH, JOHN, US
[72] LANGLOIS, ROBERT, US
[71] EMD MILLIPORE CORPORATION, US
[22] 2014-03-26
[41] 2014-10-02
[62] 2,906,223
[30] US (61/806,442) 2013-03-29

[21] **2,983,347**
[13] A1
[51] **Int.Cl. G01F 25/00 (2006.01) B64F 5/60 (2017.01) B64C 25/58 (2006.01) F16F 9/32 (2006.01)**
[25] EN
[54] **AIRCRAFT SHOCK STRUT HAVING A FLUID LEVEL MONITOR**
[54] **JAMBE A AMORTISSEUR D'AERONEF POURVUE D'UN MONITEUR DE NIVEAU DE LIQUIDE**
[72] LUCE, WILLIAM E., US
[71] GOODRICH CORPORATION, US
[22] 2010-09-24
[41] 2011-03-29
[62] 2,715,766
[30] US (12/569,699) 2009-09-29

---

[21] **2,983,352**
[13] A1
[51] **Int.Cl. A01D 34/68 (2006.01)**
[25] EN
[54] **ALL WHEEL DRIVE, WALK BEHIND MOWER**
[54] **TONDEUSE POUSSEE A TRACTION INTEGRALE**
[72] HELGESEN, JOHN, US
[72] LENNINGS, ERIC, US
[72] FANCHER, ROBERT, US
[72] LAMBERT, MATTHEW M., US
[71] HUSQVARNA AB, SE
[22] 2012-02-13
[41] 2013-08-22
[62] 2,962,238

---

[21] **2,983,500**
[13] A1
[51] **Int.Cl. A61N 1/36 (2006.01)**
[25] EN
[54] **PATTERNED STIMULATION INTENSITY FOR NEURAL STIMULATION**
[54] **INTENSITE DE STIMULATION PROFILEE POUR STIMULATION NEURALE**
[72] TYLER, DUSTIN, US
[72] TAN, DANIEL, US
[72] SCHIEFER, MATTHEW, US
[71] CASE WESTERN RESERVE UNIVERSITY, US
[22] 2014-12-16
[41] 2015-06-25
[62] 2,933,555
[30] US (PCT/US2013/075329) 2013-12-16

---

[21] **2,983,525**
[13] A1
[51] **Int.Cl. G06F 3/048 (2013.01)**
[25] EN
[54] **POSITIONING OF COMPONENTS IN A USER INTERFACE**
[54] **POSITIONNEMENT DE COMPOSANTS DANS UNE INTERFACE D'UTILISATEUR**
[72] MATAS, MICHAEL, US
[72] WALKIN, BRANDON MARSHALL, US
[71] FACEBOOK, INC., US
[22] 2014-10-09
[41] 2015-04-16
[62] 2,926,516
[30] US (14/051,326) 2013-10-10

---

[21] **2,983,530**
[13] A1
[51] **Int.Cl. F16H 15/28 (2006.01) F16H 61/664 (2006.01) F16H 63/16 (2006.01)**
[25] EN
[54] **CONTINUOUSLY VARIABLE TRANSMISSION**
[54] **TRANSMISSION A VARIATION CONTINUE**
[72] LOHR, CHARLES B., US
[72] POHL, BRAD P., US
[72] THOMASSY, FERNAND A., US
[71] FALLBROOK INTELLECTUAL PROPERTY COMPANY, LLC, US
[22] 2008-07-01
[41] 2009-01-08
[62] 2,692,476
[30] US (60/948,152) 2007-07-05

---

[21] **2,983,535**
[13] A1
[51] **Int.Cl. A61M 25/06 (2006.01) A61M 39/02 (2006.01) A61M 39/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING A FLUSHABLE CATHETER ASSEMBLY**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE FOURNIR UN ENSEMBLE CATHETER POUVANT ETRE CHASSE**
[72] STOUT, MARTY L., US
[72] HARDING, WESTON F., US
[72] ISAACSON, RAY S., US
[72] MCKINNON, AUSTIN JASON, US
[71] BECTON, DICKINSON AND COMPANY, US
[22] 2010-02-11
[41] 2010-08-19
[62] 2,752,025
[30] US (61/151,775) 2009-02-11
[30] US (12/544,625) 2009-08-20
[30] US (12/703,336) 2010-02-10

---

[21] **2,983,696**
[13] A1
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 33/124 (2006.01) E21B 34/10 (2006.01) E21B 34/12 (2006.01)**
[25] EN
[54] **TOOL AND METHOD FOR FRACTURING A WELLBORE**
[54] **OUTIL ET METHODE DE FRACTURATION D'UN TROU DE FORAGE**
[72] ARABSKYY, SERHIY, CA
[71] TARTAN COMPLETION SYSTEMS INC., CA
[22] 2013-03-15
[41] 2013-05-29
[62] 2,809,946
[30] US (62/675,009) 2012-07-24

---

[21] **2,983,726**
[13] A1
[51] **Int.Cl. G07F 9/00 (2006.01) A63F 13/45 (2014.01) G07F 17/32 (2006.01)**
[25] EN
[54] **USER-SPECIFIC DISPENSING SYSTEM**
[54] **SYSTEME DE DISTRIBUTION SPECIFIQUE D'UN UTILISATEUR**
[72] ZITO, ARTHUR J., JR., US
[71] ZITO, ARTHUR J., JR., US
[22] 2005-11-16
[41] 2006-05-26
[62] 2,587,799
[30] US (10/990,595) 2004-11-17

---

[21] **2,983,856**
[13] A1
[51] **Int.Cl. A61B 10/02 (2006.01)**
[25] EN
[54] **TRANSPERINEAL PROSTATE NEEDLE BIOPSY SYSTEM**
[54] **SYSTEME DE BIOPSIE DE LA PROSTATE PAR VOIE TRANSPERINEALE AU MOYEN D'UNE AIGUILLE**
[72] STONE, NELSON, US
[72] SCHECHTER, DAVE, US
[71] 3DBIOPSY LLC, US
[22] 2015-02-27
[41] 2015-09-03
[62] 2,941,001
[30] US (61/946,366) 2014-02-28

---

[21] **2,983,920**
[13] A1
[51] **Int.Cl. B01D 53/14 (2006.01) B01D 53/52 (2006.01) B01D 53/62 (2006.01)**
[25] EN
[54] **SEPARATING CARBON DIOXIDE AND HYDROGEN SULFIDE FROM A NATURAL GAS STREAM USING CO-CURRENT CONTACTING SYSTEMS**
[54] **SEPARATION DU DIOXYDE DE CARBONE ET DU SULFURE D'HYDROGENE D'UN FLUX DE GAZ NATUREL A L'AIDE DE SYSTEMES DE MISE EN CONTACT DE CO-COURANTS**
[72] NORTHROP, PAUL SCOTT, US
[72] MART, CHARLES J., US
[72] CULLINANE, J. TIM, US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[22] 2014-05-02
[41] 2014-11-13
[62] 2,908,215
[30] US (61/821,618) 2013-05-09

Index of Canadian Patents Issued

November 14, 2017

Index des brevets canadiens délivrés

14 novembre 2017

1304338 ALBERTA LTD. 2,956,439
1304342 ALBERTA LTD. 2,956,439
A. RICHARD TOOLS CO./ OUTILS A. RICHARD CO. 2,727,586
A. RICHARD TOOLS CO./OUTILS A. RICHARD CO. 2,846,733
ABBVIE BIOTECHNOLOGY LTD. 2,760,237
ABEL, LEO WILLIAM 2,952,816
ABK BIOMEDICAL INCORPORATED 2,825,512
ABRAHAM, ROBERT J. 2,825,512
ABRAHAM, WILLIAM D. 2,774,124
ABU-REZIQ, RAED 2,732,368
ACHILLION PHARMACEUTICALS, INC. 2,746,264
ACHTNER, GERFRIED RUDOLF 2,850,800
AEROVIRONMENT, INC. 2,769,649
AGARWAL, ATUL 2,746,264
AGS COMPANY AUTOMOTIVE SOLUTIONS LLC 2,807,293
AHMADI, REZA 2,859,371
AHMED, FERYAN 2,806,332
AICHI STEEL CORPORATION 2,880,247
AIR PRODUCTS AND CHEMICALS, INC. 2,919,819
AIRBUS OPERATIONS 2,704,385
ALCOA USA CORP. 2,893,366
ALEMAN, AINEL 2,726,571
ALLEN, JOHN R. 2,887,390
ALLEN-VANGUARD CORPORATION 2,744,253
ALLFLEX USA, INC. 2,780,391
ALLISON TRANSMISSION, INC. 2,784,384
ALLPHIN, CLARK 2,740,146
ALTHOFF, CHARLES P. 2,886,031
ALTICAST CORPORATION 2,797,306
ALTONEN, GENE MICHAEL 2,913,161
ALTRIA CLIENT SERVICES LLC 2,835,207
AMAZON TECHNOLOGIES, INC. 2,898,478
AMETAMEY, SIMON MENSAH 2,736,861
AMGEN INC. 2,782,420
ANDERSSON, JENS OLA 2,792,662
AOKI, HIROFUMI 2,897,373
ARAI, KAZUO 2,880,247
ARAKI YASSUDA, SERGIO 2,760,411
ARAKI, SUGURU 2,829,185
ARLIA, NICOLA G. 2,822,808
ARLOTTI, AGATHE 2,839,579
ARORA, TARUNA 2,782,420
ARSENAULT, JONATHAN ALLAN 2,748,266
ARVINTE, ROMEO 2,727,586
ARVINTE, ROMEO 2,846,733
ARXIUM, INC. 2,833,710
ASCENSIA DIABETES CARE HOLDINGS AG 2,598,577
ASEPTIA, INC. 2,762,654
ASGHAR, SAFDAR 2,672,437
AUBERT, ROGER 2,806,106
AUSPEX PHARMACEUTICALS, INC. 2,680,912
AWASTHI, ALOK KUMAR 2,914,135
AYANO, SATORU 2,848,875
BAAS, FRANK 2,666,466
BACHELET, IDO 2,814,047
BAKER HUGHES INCORPORATED 2,841,926
BAKER HUGHES INCORPORATED 2,890,150
BAKER HUGHES INCORPORATED 2,893,084
BAKER HUGHES INCORPORATED 2,893,085
BAKER HUGHES INCORPORATED 2,897,397
BAKER HUGHES INCORPORATED 2,906,412
BAKER HUGHES INCORPORATED 2,912,196
BALAGOPAL, AJIT 2,893,085
BALDWIN, DAVID PETER 2,934,358
BANTING, JOHN FREDERICK 2,739,096
BAPTISTA, DANIEL 2,784,046
BARATTO, MICHAEL JOHN 2,770,928
BARE, REX O. 2,705,796
BARKER, MATTHEW 2,577,556
BARTHOLOMEW, MARK EDWARD 2,732,668
BATEMAN, LEIGH 2,780,391
BATTELLE MEMORIAL INSTITUTE 2,696,115
BAUM, MARINA 2,774,124
BAUSCH & LOMB INCORPORATED 2,914,135
BCE INC. 2,748,266
BECTON DICKINSON AND COMPANY LIMITED 2,905,901
BEEKMANN, ALFRED 2,860,496
BELL HELICOPTER TEXTRON INC. 2,806,106
BELL, PAUL A. 2,860,253
BELLIVEAU, DANIEL ALDERIC 2,904,828
BEN MUVHAR, SHMUEL 2,870,392
BERUBE, ARTHUR A. 2,833,710
BHASIN, RAJINDER 2,684,479
BIOFIRE DEFENSE, LLC 2,756,300
BIVER, CLAUDINE 2,769,194
BLACKBERRY LIMITED 2,792,662
BLACKBERRY LIMITED 2,809,599
BLACKER, RICHARD 2,827,862
BLANQUET, MICHEL 2,702,571
BLASER, DAVID 2,868,938
BLISS, THERON J. 2,860,818
BLITZ, RICHARD ERNEST 2,811,408
BLONDIN, TRICIA A. 2,770,928
BOCK, MARK G. 2,765,983
BOEHRINGER INGELHEIM INTERNATIONAL GMBH 2,810,295
BOERSMA, ARJEN 2,710,272
BOGATAJ, MARKO 2,890,825
BOLY MEDIA COMMUNICATIONS (SHENZHEN) CO., LTD 2,840,267
BOND, JAMES R. 2,788,893
BORTH, DAVID T. 2,750,322
BOSE CORPORATION 2,900,294
BOSE CORPORATION 2,900,980
BOSTON SCIENTIFIC SCIMED, INC. 2,770,987
BOUSSETOUA, MOHAMMED 2,806,106
BOUVIER, JACQUES 2,868,938
BOWDLE, DONALD E. 2,793,177
BOYD, DANIEL 2,825,512
BOYD, MALCOLM 2,744,866
BOYER, REJEAN 2,934,821
BOYSEL, DARL G. 2,893,366
BRADSHAW, MAXFIELD PAUL 2,897,693
BRAKELEY, NATHANIEL M. 2,860,253
BRAND, DIETMAR TIEMO 2,897,693
BREIDENBACH, VINCENT SEAN 2,913,161
BRITTON, AHREN THOMAS 2,914,452
BROCHMANN, OYVIND 2,903,902
BROOKER, JEFFREY S. 2,777,465
BROOKS, WALTER PHILLIP 2,687,111
BROWN, DANIEL V. 2,598,577
BROWN, PHILIP A. 2,786,571
BRYANT, AMBER M. 2,860,253
BSH HOME APPLIANCES CORPORATION 2,780,642
BUCHEL, SVEN 2,827,786
BUENO, CARLOS M. 2,887,390

Index of Canadian Patents Issued
November 14, 2017

BUILDING MATERIALS INVESTMENT CORPORATION 2,888,820
BUILDING MATERIALS INVESTMENT CORPORATION 2,902,693
BUNICK, FRANK J. 2,775,126
BURNS, LAWRENCE J. 2,598,577
BURTON, DENNIS R. 2,755,821
BUSHKO, DARIUSZ ANTONI 2,900,294
BUSHKO, DARIUSZ ANTONI 2,900,980
BUZZA, STEPHEN A. 2,888,820
C-PAK, LLC 2,597,192
CABLE, FRANK 2,643,952
CAI, HUALIN 2,918,107
CALKINS, FREDERICK T. 2,782,893
CALLEGARO, LANFRANCO 2,763,945
CALLUIERE, JOHAN 2,793,250
CANADIAN NATIONAL RAILWAY COMPANY 2,577,556
CANO, JEAN-PAUL 2,769,194
CAO, XINGDA 2,884,667
CARDINAL, MARK EDWARD 2,893,046
CAREFUSION 303, INC. 2,805,738
CARTER, JEREMY 2,732,668
CARVAJAL, JORGE V. 2,822,749
CARVAJAL, JORGE V. 2,822,808
CASSE, PATRICE 2,704,385
CELLYNX, INC. 2,739,184
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S.) 2,762,832
CHAMBERLAIN, ROGER D. 2,691,229
CHAMORRO, CARLOS O. 2,716,306
CHAN-HUI, PO-YING 2,755,821
CHAO, TIEN-CHIEH 2,919,460
CHATTERJEE, DILIP K. 2,840,235
CHAVES, PAULO 2,777,465
CHEIKY, MICHAEL C. 2,749,982
CHEN, DAWEI 2,746,264
CHEN, HARVEY H. 2,847,880
CHEN, JEN-CHI 2,775,126
CHEN, ZHENCHENG 2,884,667
CHENG, LUN KAI 2,710,272
CHENG, YICHEN 2,795,904
CHENG, ZHIHAO 2,884,667
CHEP TECHNOLOGY PTY LIMITED 2,853,014
CHIA, ORLANDO 2,947,273
CHILDERS, BROOKS A. 2,893,085
CHINA PETROLEUM & CHEMICAL CORPORATION 2,818,272
CHITHAMBARAM, NEMMARA S. 2,889,095
CHO, MI SUNG 2,797,306
CHOI, BYEONG-DOO 2,898,150
CHOLLET, ANDRE 2,921,580
CHONO, KEIICHI 2,897,373
CHRISTENSEN, THOMAS J. 2,781,613
CHURCH, GEORGE M. 2,814,047
CILAG GMBH INTERNATIONAL 2,653,317
CLARK, DAVID WILLIAM 2,748,266
CLARK, DONALD R. 2,914,452
CLASQUIN, JAMES L. 2,781,613
CLASS 1 INC. 2,770,928
CLOSE, RYAN SPENCER 2,893,046
COHEN, ERICA EDEN 2,886,031
COHEN, JOSEPH PERRY 2,919,819
COKER, CHRISTOPHER E. 2,840,235
COLBY, DANIEL E. 2,846,173
COMCAST CABLE COMMUNICATIONS, LLC 2,692,569
COMMUNICATION COMPONENTS ANTENNA INC. 2,708,114
CONCERT PHARMACEUTICALS, INC. 2,771,123
CONNELY, LISA 2,791,140
COOL PLANET ENERGY SYSTEMS, INC. 2,749,982
COOPER TECHNOLOGIES COMPANY 2,739,096
COPP-HOWLAND, WARREN W. 2,643,952
CORDOBA, JOSE LUIS 2,922,610
CORDOVA, LEE HARRIS 2,811,838
CORNERSTONE PHARMACEUTICALS, INC. 2,684,479
COSGROVE, MATHEW A. 2,859,371
COSTA, DANIEL SOARES 2,770,928
COSTAGLIA, MASSIMO 2,888,155
COSTELLO, MARK MARTIN 2,806,575
COURSON, CLAIRE 2,762,832
COUTURE, PIERRE 2,839,658
CRAVEN, PETER GRAHAM 2,809,915
CRICKMORE, ROGER IAN 2,775,845
CROMPTON, DAVID B. 2,935,235
CROOK ANNA 2,791,140
CURTIN, GERALD ADDISON, JR. 2,821,701
CYTORI THERAPEUTICS, INC. 2,609,361
D'ANIELLO, STEPHEN P. 2,860,372
DAIS, BRIAN C. 2,886,031
DANGO & DIENENTHAL MASCHINENBAU GMBH 2,799,131
DANIEL, ANU 2,729,160
DANIELS, ERIC 2,609,361
DARVISH, NISSIM 2,870,392
DAVIS, GUY D. 2,860,253
DAWIS, SUZANNE 2,793,519
DAYTON, JAMES A., JR. 2,678,885
DBR CONVEYOR CONCEPTS, LLC 2,786,571
DE JEAN DE ST. MARCEL SIMEK-LEMOS, MELISSA DANIELLE 2,755,821
DEARDORFF, JENNIFER 2,793,519
DECORNEZ, HELENE 2,806,332
DEFENSE LIFE SCIENCES, LLC 2,776,718
DEHAN, CHRISTOPHE 2,918,927
DELAPIERRE, MICHAEL 2,786,988
DELIYANNIS, ALEXANDROS 2,773,567
DELUCA, HECTOR F. 2,777,938
DEMARCO, ANTHONY 2,739,184
DENIS, BERNARD 2,784,046
DENISOV, EDUARD V. 2,835,501
DERMOTT, JEFF 2,788,893
DESAI, UMESH C. 2,919,460
DESHPANDE, MILIND 2,746,264
DEWEY, ROBERT J. 2,893,046
DHESE, KEITH 2,777,465
DIALIGHT CORPORATION 2,896,868
DIAS, LIBARDO OCHOA 2,935,235
DICK, ROBERT E. 2,893,366
DICKMAN, JEFF 2,859,371
DIEHL, ERIC 2,732,668
DIENENTHAL, JOERG 2,799,131
DIETRICH, CHARLES E. 2,786,571
DIETRICH, DAVID M. 2,782,530
DINJUS, THOMAS ERNST 2,893,046
DISTELDORF, BERND 2,827,862
DIUBALDI, ANTHONY 2,705,796
DODD, MICHAEL THOMAS 2,913,161
DOHERTY, TONY 2,806,575
DOLBY INTERNATIONAL AB 2,958,350
DOLBY INTERNATIONAL AB 2,958,360
DOLINSEK, MARKO 2,890,825
DONITZKY, CHRISTOF 2,826,799
DONITZKY, CHRISTOF 2,915,520
DOWLING, JAMES 2,833,710
DRESSER, INC. 2,750,322
DRIGUEZ, PIERRE ALEXANDRE 2,771,056
DROZD, JAMES MICHAEL 2,762,654
DUCHAUSSOY, PHILIPPE 2,771,056
DULL, KENNETH M. 2,792,697
DULUARD, SANDRINE 2,769,194
DUNCAN, ROGER GLEN 2,893,085
DUNN, RYAN C. 2,860,253
DURA-LINE CORPORATION 2,838,628
DYER, DAVID A. 2,923,065
DYROEY, ARE 2,757,002
EADS DEUTSCHLAND GMBH 2,822,306
EAGLEPICHER TECHNOLOGIES, LLC 2,788,893
EAS IP, LLC 2,860,253
EASY TOOL LIMITED 2,759,796
EATON CORPORATION 2,735,928
ECHOSTAR TECHNOLOGIES L.L.C. 2,849,915
EDDINGTON, ROBIN 2,777,465
EDWARDS LIFESCIENCES CORPORATION 2,847,880
EFAFLEX INZENIRING D.O.O. LJUBLJANA 2,890,825
EJIRI, YOKO 2,848,875
ELI LILLY AND COMPANY 2,898,500
ELMS, ROBERT T. 2,735,928
EMERGIS INC. 2,654,617
EMPIRE TECHNOLOGY DEVELOPMENT LLC 2,904,828
ENVIRORESOLUTIONS INC. 2,798,881
EPITOMICS, INC. 2,719,400
ESSILOR INTERNATIONAL (COMPAGNIE GENERALE D'OPTIQUE) 2,769,194
ESTES, ROBERT A. 2,890,150

ETHICON, INC. 2,705,796
EULER, CHAD 2,729,160
EVANS, DANIEL BRUCE 2,736,512
EVEON 2,918,927
EVOLUTION POWER TOOLS LIMITED 2,825,369
EYEFI PTY LTD 2,727,687
FACEBOOK, INC. 2,887,390
FACEBOOK, INC. 2,890,039
FACTORY MUTUAL INSURANCE COMPANY 2,860,372
FALCO, GEPPINO 2,678,901
FALLBROOK INTELLECTUAL PROPERTY COMPANY LLC 2,732,668
FANG, CHRISTOPHER Y. 2,840,235
FATTAH, IHAB ABDEL 2,881,613
FEDICO 2,715,911
FENN, DAVID R. 2,919,460
FERNANDES, BRENDAN S. 2,770,928
FERNO-WASHINGTON, INC. 2,947,273
FIDIA FARMACEUTICI S.P.A. 2,763,945
FILA, JOSEF A. 2,839,430
FINK, MARTIN 2,868,938
FISCH, RALF WALTER 2,897,693
FISCHER, VINCENT 2,793,519
FISCHETTI, VINCENT A. 2,729,160
FISHER & PAYKEL HEALTHCARE LIMITED 2,934,358
FLAMMANG, ROBERT W. 2,822,808
FOLEY, NICK 2,753,138
FOLTZ, IAN 2,782,420
FONS, PIERRE 2,771,056
FONTAINE, YVES 2,715,911
FOOSE, ANDREW S. 2,839,430
FORSTER, PETER J.L. 2,846,173
FORTIN, GUY 2,806,106
FRANK, MARCUS 2,827,862
FRANKLIN, MARK A. 2,691,229
FRASER, JOHN K. 2,609,361
FREEMAN, JENNY E. 2,805,124
FREY, STEVEN 2,755,821
FRIEDE, PETER 2,889,102
FRITZ, STEFAN 2,563,666
FROEHLICH, DAN MICHAEL 2,914,452
FROMM, STUART EDWARD 2,811,838
FU, XU 2,821,701
FUJIMOTO PHARMACEUTICAL CORPORATION 2,738,129
FUJIMOTO PHARMACEUTICAL CORPORATION 2,794,199
FUJIWARA, MASATOSHI 2,738,129
FULLER, JOHN WILLIAM EDWARD 2,784,384
GADHACHANDA, VENKAT 2,746,264
GAGNON, STEPHANIE 2,934,821
GANDHI, JIGNESH GOVINDLAL 2,893,046
GANT, THOMAS G. 2,680,912
GANYMED PHARMACEUTICALS AG 2,563,666
GARNER, RUSTY M. 2,893,299
GARTHAFFNER, TRAVIS M. 2,835,207
GAUCHE, CELINE 2,717,914
GAUDETTE, SEAN 2,841,926
GAUL, CHRISTOPH 2,765,983
GEBERS, JENS 2,889,102
GENENTECH, INC. 2,737,045
GENERAL ELECTRIC COMPANY 2,821,701
GENERAL ELECTRIC COMPANY 2,893,046
GENERAL ELECTRIC TECHNOLOGY GMBH 2,860,818
GENERALE BISCUIT 2,839,579
GENOMICA S.A.U. 2,726,571
GEPPERT, HARALD-GERHARD 2,563,666
GHESHMI, SIAVASH 2,977,099
GILL, ROBERT ANTHONY 2,736,512
GLASSER, NICHOLAS 2,848,272
GLENCROSS, JAMES 2,753,138
GOLDENBERG, ALEX 2,922,610
GOMES FERNANDES, PAULO ROBERTO 2,759,673
GONZALVEZ MUNOZ, BORJA 2,832,470
GOROKHOV, ALEXEI 2,663,980
GORSCHBOTH, CLAUDIA 2,826,799
GOW, GEOFFREY ANDREW 2,897,693
GREEN, STEVEN JAMES 2,898,500
GREENFIELD, JAMES ALFRED GORDON 2,898,478
GRIMSHAW, MATTHEW TODD 2,782,893
GRIMSLEY, TIMOTHY A. 2,838,628
GRISCIK, GREGORY J. 2,835,207
GROEHN, VIOLA 2,736,861
GRUBER, LEWIS S. 2,724,886
GUANGZHOU MINO AUTOMOTIVE EQUIPMENT CO., LTD. 2,884,667
GUARDIAN INDUSTRIES CORP. 2,827,862
GUARINO, JULIANNE M. 2,598,577
GULFSTREAM AEROSPACE CORPORATION 2,839,430
GUMMADI, VENKATESHWAR RAO 2,765,983
GUNAWARDENA, SANJEEV 2,859,371
GURELL, CHRISTOFFER 2,792,662
HAENSGEN, GREGG JAMES 2,739,096
HALLIBURTON ENERGY SERVICES, INC. 2,840,235
HALPIN, RYAN SHAWN 2,744,253
HAMANO, MASATO 2,909,932
HANAK, FRANCIS CHAD 2,890,150
HARBESON, SCOTT L. 2,771,123
HARLFINGER, CHARLES E. 2,597,192
HARRIS, PATRICK 2,771,401
HARRISON, NIGEL DAVID 2,653,317
HART, BRIAN T. 2,833,710
HART, RICHARD D. 2,833,710
HARWARD, SAMUEL 2,780,642
HASENBERG, MARK J. 2,807,293
HASHIMOTO, AKIHIRO 2,746,264
HASSANEIN, WALEED 2,881,613
HATA, KATSUHIKO 2,923,462
HAUSCHILD, JAN-PETER 2,835,501
HAVENER, ROBERT 2,881,613
HAWKES, JAMIE ANTHONY 2,717,914
HAYARD, EMMANUEL 2,702,571
HAYES, MICHAEL W. 2,782,530
HAYNER, MARK A. 2,900,294
HAYNER, MARK A. 2,900,980
HE, LIHAN 2,821,701
HE, YI 2,884,667
HEBBORN, KEVIN A. 2,896,868
HEDRICK, MARC H. 2,609,361
HEIBEL, MICHAEL D. 2,822,749
HENDRICKS, DONALD 2,780,642
HENKEL AG & CO. KGAA 2,769,328
HENRY COMPANY LLC 2,710,383
HEO, KWANGCHUL 2,893,188
HERBERT, CORENTIN 2,771,056
HERSH, MEGAN N. 2,727,709
HILL, DAVID JOHN 2,775,845
HINAYAMA, TETSUHIRO 2,953,888
HIRAI, MIKI 2,828,378
HIRAMATSU, HISANAO 2,738,129
HIRAMATSU, HISANAO 2,794,199
HIRAWAT, SAMIT 2,675,518
HISADA, SHOJI 2,806,332
HITACHI, LTD. 2,860,743
HOFFMANN, ALEXANDER 2,889,102
HONDA MOTOR CO., LTD. 2,909,980
HONKURA, YOSHINOBU 2,880,247
HONTHEIM, DANIEL 2,897,693
HORN, JONATHAN DAVID 2,886,031
HORNICK, DAVID C. 2,839,430
HOSODA, MASAYA 2,848,875
HOWMEDICA OSTEONICS CORP. 2,811,838
HU, SHAW-FEN SYLVIA 2,782,420
HU, XIAOPING 2,840,267
HUANG, DIJIA 2,598,577
HUANG, FUMING 2,918,107
HUANG, JUNNING 2,918,107
HUANG, TZU-HSUAN 2,699,944
HUBSCH, ALAIN 2,784,046
HUNDT, ROGER C. 2,716,306
HUNT, BARRY W. 2,770,928
HUNTLEY, RAYMOND 2,806,332
HUSKY INJECTION MOLDING SYSTEMS LTD. 2,897,693
HYDRO-QUEBEC 2,839,658
IFP ENERGIES NOUVELLES 2,718,124
IIJIMA, TORU 2,828,378
IINO, RYOTA 2,829,185
IMFLUX, INC. 2,913,161
IMMUNOVACCINE TECHNOLOGIES INC. 2,700,808
IMRAN, MUHAMMAD 2,827,862
INDUCTOHEAT, INC. 2,708,509
INGRAM, AARON N. 2,806,575
INMAN, JOHN E. 2,782,530
INTERNATIONAL AIDS VACCINE INITIATIVE 2,755,821
INTERNATIONAL ELECTRONIC MACHINES CORP. 2,848,272

INTERNATIONAL PAPER COMPANY 2,923,065
INTUIT INC. 2,811,408
INTUIT INC. 2,889,095
INVENTIO AG 2,760,411
IP RESERVOIR, LLC 2,691,229
IVOSEVIC, MILAN 2,905,901
IZUMIURA, ATSUSHI 2,909,980
JAHNKE, CHARLES 2,805,124
JAMES, MICHAEL A. 2,822,808
JAMES, STEPHEN 2,893,084
JANG, YONG GI 2,862,839
JANSEN, GERHARD 2,834,738
JAPAN SCIENCE AND TECHNOLOGY AGENCY 2,829,185
JAZZ PHARMACEUTICALS, INC. 2,740,146
JEGLORZ, TOBIAS 2,915,520
JENNINGS, DOUGLAS IVAN 2,653,317
JIN, LING 2,738,129
JIN, LING 2,794,199
JOHANNESSEN, BAARD 2,756,649
JOHNSON CONCRETE COMPANY 2,854,389
JOHNSON, GREGORY F. 2,739,184
JOHNSON, MICHAEL 2,841,926
JOHNSON, MICHAEL 2,897,397
JOHNSTON, GARRY MERVYN 2,763,371
JONES, EMORY E., III 2,906,412
JOST, KAREN M. 2,793,177
JOUHIKAINEN, JAAKKO TANELI 2,836,643
KABAKOFF, BRUCE 2,737,045
KAMINSKI, MICHAEL A. 2,863,935
KAMINSKY, STEPHEN 2,755,821
KAMPF, LARS VERNER 2,777,141
KANEKO, TOMOHIKO 2,909,659
KAO CORPORATION 2,793,519
KARKADA, MOHAN 2,700,808
KARLSEN, MORTEN 2,757,002
KATO, TAKANORI 2,869,139
KAWAGUCHI, SUSUMU 2,711,862
KAWAGUCHI, TAKAYUKI 2,828,378
KE, YAOHUANG 2,719,400
KEHOE, SHARON 2,825,512
KEILERS, CYRIL 2,732,668
KELLY, RYAN T. 2,696,115
KELLY, SHEILA 2,791,140
KELSEY, WILLIAM D. 2,867,647
KELSEY, WILLIAM D. 2,910,563
KEMMER, DIRK 2,810,295
KENT, STEVEN RICHARD 2,823,943
KHANDEKAR, AAMOD 2,663,980
KHAYAL, TAMER 2,881,613
KHOLOMEEV, ALEXANDER 2,835,501
KIENNEMANN, ALAIN 2,762,832
KIM, CHANG NAM 2,797,306
KIM, HA YOUNG 2,746,264
KIM, ISAAC 2,770,987
KINDIG, BRADLEY 2,672,437
KING, CHADWICK TERENCE 2,782,420
KIRCHHOFF, DAVID 2,791,140
KIRIYAMA, KENTARO 2,869,139
KIRKPATRICK, GREGG 2,805,738
KISTLER, DANIEL P. 2,822,749
KJORLING, KRISTOFER 2,958,350
KJORLING, KRISTOFER 2,958,360
KLEYNHANS, EVERT PHILLIPPUS 2,819,813
KMOCH, SVEN 2,897,693
KNOOP, FRANK 2,889,102
KNOWLTON DEVELOPMENT CORPORATION INC. 2,808,807
KNUDSEN, JULIAN R. 2,750,322
KO, MINORU S.H. 2,678,901
KOBAYASHI, NOBUHISA 2,860,743
KOBLISH, JOSEF 2,770,987
KOFF, WAYNE 2,755,821
KOHLBAUER, PETER 2,810,295
KOLL, GREGORY E. 2,775,126
KOLLAH, RAPHAEL O. 2,849,706
KOMIYA, KENJI 2,908,283
KONDO, MASAAKI 2,908,283
KONIG, JENS 2,809,599
KORIM, DAVID CHARLES 2,893,046
KORY, CAROL L. 2,678,885
KOSLOWSKI, MICHAEL 2,563,666
KOWALSKI, MARCIN PIOTR 2,898,478
KPR U.S., LLC 2,643,952
KRAFT, ULRICH 2,753,138
KREILING, STEFAN 2,769,328
KRIKSUNOV, LEO B. 2,775,126
KROMBERG, ANDRE AXEL 2,897,693
KRULEVITCH, PETER 2,753,138
KUESTER, HARALD 2,769,328
KUNZLER, JAY F. 2,914,135
KUO, MEI-CHANG 2,836,643
KURARAY CO., LTD. 2,848,875
KUX, MICHAEL 2,769,328
KYI, STANLEY 2,881,613
L&P PROPERTY MANAGEMENT COMPANY 2,888,155
LADISCH, MICHAEL R. 2,776,718
LAFRANCE, HUGUES 2,847,880
LAGORSSE, JOEL 2,702,571
LAIR, ANTHONY C. 2,806,575
LALLI, MICHAEL 2,805,124
LANDRE, ERIC G. 2,823,977
LANGDON, SIMON 2,727,687
LANVIN, LIONEL 2,839,579
LARIVIERE, JEFFREY 2,744,253
LASERGEN, INC. 2,727,709
LASERSON, URI 2,814,047
LASSALLE, GILBERT 2,771,056
LAW, MALCOLM 2,809,915
LAWSON, JOHN RUSSELL 2,913,161
LEE TECH LLC 2,831,268
LEE, CHIE YING 2,831,268
LEE, MARSHALL STEPHEN 2,819,813
LEE, SUNG-LIM 2,678,901
LEE, TAMMY 2,898,150
LEICA GEOSYSTEMS AG 2,827,786
LEITCH, OLAN 2,902,693
LENDER, ARIEL 2,710,383
LENNOX INDUSTRIES INC. 2,716,306
LEUNG, RAYMOND 2,654,617
LEWIN, MATHIAS 2,792,662
LEWIS, DAVID MALCOLM 2,717,914
LG ELECTRONICS INC. 2,893,188
LI, QIANG 2,821,701
LI, SHOUMING 2,746,264
LI, YANG 2,782,420
LI, YUNFEI 2,918,107
LIANG, YINGJIE 2,818,272
LIFESCAN, INC. 2,753,138
LIFF, HAROLD J. 2,833,710
LIGHTLAB IMAGING, INC. 2,893,527
LIN, DECHAO 2,790,168
LISTERUD, EIVIND 2,788,893
LITOSH, VLADISLAV A. 2,727,709
LIU, AIHUA 2,818,272
LIU, CUIXIAN 2,746,264
LIU, JIANLI 2,818,272
LIU, JULIE F. 2,771,123
LIU, ZENGRANG 2,818,272
LIVSHITZ, DANNY 2,963,474
LJUNGKRANTZ, PETER 2,792,662
LLORCA JUAN, DANIEL 2,832,470
LOBODA, NATALIA 2,732,368
LONG, CHARLES F. 2,784,384
LOO, DERYK 2,596,273
LOOIJE, ADRIAN PETER 2,897,693
LOOIJE, PETER ADRIAN 2,897,693
LORD, JOHN 2,836,643
LOSCUTOVA, JOHN R. 2,840,235
LOURENCO, JOSE 2,956,439
LOUW, JAKO 2,819,813
LOVELESS, DON L. 2,708,509
LUBER, JOSEPH R. 2,775,126
LUCAS, BRIAN M. 2,900,294
LUCAS, BRIAN M. 2,900,980
LUCAS, MICHAEL DAVID 2,853,014
LUIJS, RUUD 2,897,693
LUMINEX CORPORATION 2,730,982
LUMPKIN, DANNY DAVID 2,913,161
LY, BUNLIM 2,886,031
MABE, JAMES HENRY 2,782,893
MACIA BARBER, AGUSTIN 2,832,470
MACKE, JUNIOR JOHN G. 2,782,530
MADAMBA, EDISON R. 2,842,011
MAHONEY, CHRISTOPHER J. 2,865,776
MAHONEY, JOSEPH M. 2,736,512
MAI, CLAUDIA 2,769,328
MAILAND, JASON C. 2,912,196
MAKAROV, ALEXANDER ALEKSEEVICH 2,835,501
MANDA, JAN MARIUS 2,897,693
MANOUX, PHILIPE 2,922,610
MANSOUR, MARC 2,700,808
MANTZIS HOLDINGS PTY LTD. 2,738,416
MANTZIS, GEORGE 2,738,416
MANTZIS, KONSTANTINOS 2,738,416
MARCHESE, ANDREW DOMINIC 2,808,053
MARICI, PAUL PAIA 2,905,901
MARTIN, JUSTIN J. 2,849,706
MASSACHUSETTS INSTITUTE OF TECHNOLOGY 2,808,053
MATAS, MICHAEL 2,890,039
MATHER, JENNIE 2,596,273

MATSUO, YO 2,806,332
MATSUSHITA, MASANORI 2,909,980
MATTFOLK, ALEX 2,805,124
MAXON, JOHN W., JR. 2,839,430
MAZEJ, ANDREJ 2,890,825
MAZYAR, OLEG A. 2,841,926
MAZYAR, OLEG A. 2,897,397
MC ADAMS, BRIAN J. 2,867,647
MCBEE, BRUCE W. 2,739,096
MCCALL, THOMAS 2,838,628
MCCLELLAND, JAMES M., JR. 2,914,784
MCCLELLAND, KENNETH JAMES 2,798,881
MCCONNELL, KIMBERLY NICHOLE 2,913,161
MCDANIEL, LOREN T. 2,732,668
MCGEE, DAVID 2,770,987
MCHENERY, JOHN GERARD 2,868,938
MCLAUGHLIN, ROBERT EUGENE, II 2,811,838
MCMILLAN, FRANCIS G. 2,773,567
MCNEIL-PPC, INC. 2,775,126
MCNEISH, DAVID J. 2,893,366
MEADE, WILLIAM CLYDE 2,854,389
MEISSNER, DAVID C. 2,914,784
MERCIER, CAROL 2,806,106
MERCK & CIE 2,736,861
MERGOTT, DUSTIN JAMES 2,898,500
MESTEMACHER, STEVEN ALAN 2,854,572
METALEACH LIMITED 2,763,371
METCON, LLC 2,781,613
METIUS, GARY E. 2,914,784
METZKER, MICHAEL L. 2,727,709
MEYER, PETER 2,643,952
MIAN, ZAHID F. 2,848,272
MICHAEL, SCHROEDER 2,942,397
MICHEL, JUERGEN 2,627,397
MICHEL, WALTER F. 2,692,569
MIDREX TECHNOLOGIES, INC. 2,914,784
MIGLIAZZA, JOHN F. 2,847,880
MILBRANDT, CELITE 2,672,437
MILLAR, GAVIN WALSH 2,934,358
MILLAR, MACKENZIE 2,956,439
MILLER, DAVID M. 2,846,363
MILLER, GAYL J. 2,793,177
MILLER, JAMES L. 2,912,196
MILLER, JEFF 2,885,543
MILLER, LANGDON 2,675,518
MILLER-KOVACH, KAREN 2,791,140
MITCHAM, JENNIFER 2,755,821
MITSUBISHI SHINDOH CO., LTD. 2,923,462
MITSUBISHI TANABE PHARMA CORPORATION 2,828,378
MIYAKAWA, SHIN 2,738,129
MOBARAK, HANY ABO-EL-MAGD 2,808,807
MONTAGUE, STEPHEN C. 2,914,784
MONTI, MANUELA 2,678,901
MOREL, FREDERIC 2,718,124
MORENCY, VINCENT 2,577,556
MORGENSTERN, HANS-UWE 2,799,131
MORIN, MICHEL 2,715,911
MORRISON, SHERIE L. 2,699,944
MOSCOSO DEL PRADO, JUAN 2,726,571
MOSER, RUDOLF 2,736,861
MOSIER, NATHAN 2,776,718
MOVISCHOFF, BERNARDO ADRIAN 2,893,046
MOWITZ, JOHAN 2,792,662
MOYLE, MATTHEW 2,755,821
MUELLER, CRISTINA MAGDALENA 2,736,861
MUINONEN, KARI 2,577,556
MULLANEY, JEREMY C. 2,848,272
MURAKAMI, MASAHIRO 2,953,888
MURPHY, MAURA 2,740,146
MURPHY, WILLIAM J. 2,735,928
MURRAY, SEAN MACLEAN 2,748,266
MUSALIAR, IMTIAZ A. 2,886,031
MUZAFFER, REHAN 2,769,649
MYERS, GARY L. 2,893,366
N & C HOLDINGS, LLC 2,824,697
NADA, MITSUHIRO 2,909,659
NAGPAL, ARVIL 2,805,124
NAKAMURA, YOSHIKAZU 2,738,129
NAKAMURA, YOSHIKAZU 2,794,199
NAKAMURA, YUSUKE 2,806,332
NAKASATO, YOSUKE 2,923,462
NANCHEN, STEVE 2,868,938
NASH, CHRISTOPHER OWEN 2,893,299
NEC CORPORATION 2,897,373
NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO 2,710,272
NEGRE, PIERRE-EMMANUEL 2,793,250
NEHRING, JAMIE 2,777,938
NEL, HERMANUS GERHARDUS 2,819,813
NELSON, DAREN 2,737,045
NEOMED, INC. 2,806,575
NEOVASC MEDICAL LTD. 2,870,392
NESBO, PAUL ARNE 2,903,902
NETTFORSK AS 2,756,649
NEWSOME, CHARLES BENJAMIN 2,854,389
NEXTER SYSTEMS 2,784,046
NG, TRACY PAT-YEN 2,811,838
NI, NA 2,821,701
NICOLA, THOMAS 2,810,295
NICOLAS, MARCEL 2,935,224
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,869,139
NISHIDA, TSUNEMASA 2,909,932
NOJI, HIROYUKI 2,829,185
NOKIA SOLUTIONS AND NETWORKS GMBH & CO. KG 2,627,397
NOKSAEK, INC. 2,862,839
NORSK HYDRO ASA 2,757,002
NORTHROP GRUMMAN GUIDANCE AND ELECTRONICS COMPANY, INC. 2,859,371
NOVARTIS AG 2,765,983
NOVARTIS TIERGESUNDHEIT AG 2,868,938
NOVENCO A/S 2,777,141
NUELLE, INC. 2,922,610
NUTRI CO., LTD. 2,711,862
O'CALLAGHAN, JOHN 2,895,636
OBA, TRAVIS Z. 2,847,880
OBEROI, HARINDER S. 2,885,543
OBSEVA S.A. 2,921,580
OEREN, TORE 2,757,002
OILFIELD EQUIPMENT DEVELOPMENT CENTER LIMITED 2,842,011
OISHI, KEIICHIRO 2,923,462
OKAMOTO, YOHEI 2,909,659
OKEL, TIMOTHY A. 2,849,706
OLSEN, OLE 2,755,821
OLSSON, ROLAND 2,775,126
OMNIVISION TECHNOLOGIES, INC. 2,810,676
ONCOTHERAPY SCIENCE, INC. 2,806,332
OOTAKE, YUUICHI 2,860,743
OPTASENSE HOLDINGS LIMITED 2,775,845
ORAND, AUSTIN 2,732,668
OSTARA NUTRIENT RECOVERY TECHNOLOGIES INC. 2,914,452
OUHROUCHE, MOHAND 2,806,106
OUTOTEC (FINLAND) OY 2,895,636
OUYANG, JUN 2,737,045
OVER, CHRISTOPHER B. 2,770,928
OZDARYAL, ESRA 2,760,237
PAGE, JASON S. 2,696,115
PAI, YOGISH 2,811,408
PAIS, GODWIN 2,746,264
PALAIS, ROBERT ANDREW 2,756,300
PALMER, JASON 2,822,749
PANASYUK, ALEXANDER 2,805,124
PANASYUK, SVETLANA 2,805,124
PANFILI, FRANCOIS 2,727,586
PANFILI, FRANCOIS 2,846,733
PANKEN, THEODORUS HENRICUS CORNELUS 2,710,272
PAPA, RENATO 2,897,693
PARKER, ROBERT PRESTON 2,900,294
PARKER, ROBERT PRESTON 2,900,980
PARKER, ROSE MARIE 2,780,642
PARSONS, SCOTT 2,691,229
PASTORE, OLIVIER 2,715,520
PASTORE, OLIVIER 2,715,750
PATERSON-JONES, ROLAND 2,898,478
PECK, JOHN PATRICK 2,896,868
PEIRCE, JOHN M. 2,807,293
PELICAN INTERNATIONAL INC. 2,934,821
PENTRAXIN THERAPEUTICS LIMITED 2,691,054
PEPYS, MARK BRIAN 2,691,054
PERACHEM LIMITED 2,717,914
PERL, AMIE 2,791,140
PERRON, JEAN 2,806,106

Index of Canadian Patents Issued
November 14, 2017

PESHWE, SHIRISH KISHORE 2,811,408
PETITON, VALERY 2,945,024
PETROFF, CHRISTOPHER 2,893,527
PHADKE, AVINASH 2,746,264
PHILIPPOT, VINCENT 2,773,047
PHOGAT, SANJAY K. 2,755,821
PIANTEDOSI, STEVE 2,833,710
PILGERAM, KYLE CRAIG 2,811,838
PITTS, LOGAN D. 2,807,293
PLEW, MARC M. 2,760,237
PLUM, LORI 2,777,938
PLUMPTRE, DAVID 2,744,866
POIGNARD, PASCAL RAYMOND GEORGES 2,755,821
PORCHIA, JOSE 2,886,031
POSILLICO, PALMA 2,791,140
POWELL, KEVIN BLAKE 2,934,358
PPG INDUSTRIES OHIO, INC. 2,849,706
PPG INDUSTRIES OHIO, INC. 2,919,460
PRESBY PATENT TRUST 2,799,511
PRESBY, DAVID W. 2,799,511
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 2,814,047
PRIBLE, MICHAEL C. 2,822,749
PROSTAR GEOCORP, INC. 2,846,173
PROVENZANO, DAN R. 2,893,085
PRYBILSKI, CHRISTIAN 2,784,046
PTC THERAPEUTICS, INC. 2,675,518
PURDUE RESEARCH FOUNDATION 2,776,718
QIN, HAIHU 2,774,124
QIU, HAI 2,821,701
QUALCOMM INCORPORATED 2,663,980
QUICK FITTING, INC. 2,935,235
RAAF, BERNHARD 2,627,397
RAI NOOJI, SATHEESHA 2,914,135
RAMAGLIA, VALERIA 2,666,466
RAMASWAMY, ARUN 2,654,684
RAMON-MARTINEZ, NATALIA 2,913,161
RANGANATH, VISHWANATH 2,889,095
RASCH, MICHAEL R. 2,786,571
RAVAZ, MAURICE 2,715,750
RAVEN BIOTECHNOLOGIES, INC. 2,596,273
REAMS, WILLIAM R. 2,849,915
REED, DAVID V. 2,923,065
REES, SAMUEL RYAN 2,825,369
REGENESANCE B.V. 2,666,466
REGHEZZA, PATRICK JEAN-LOUIS 2,786,988
RENZ, MARTIN 2,810,295
REPRO-MED SYSTEMS, INC. 2,977,099
RESCH, BARBARA 2,958,350
RESCH, BARBARA 2,958,360
RESPIRATORY MOTION, INC. 2,805,124
RHODES, JEFFREY F. 2,893,299
RIBOMIC INC. 2,738,129
RIBOMIC INC. 2,794,199
RICHARD, BENNETT M. 2,897,397
ROBBINS, THOMAS CHARLES 2,756,300
RODRIGUEZ, ROBERT J. 2,684,479
ROGERS, DAVID 2,732,668
ROLLS-ROYCE CORPORATION 2,893,299
ROSS, ROBERT A. 2,860,253
ROSS, TOBIAS LUDWIG 2,736,861
ROTH, WAYNE D. 2,730,982
ROURKE, ANDREA 2,740,146
RUDNEV, VALERY I. 2,708,509
RUDOLPH, EHREN N. 2,777,938
RUS, DANIELA LUCIA 2,808,053
RUSSELL, CLAYTON 2,654,617
S.C. JOHNSON & SON, INC. 2,886,031
SAFA-BAKHSH, ROBAB 2,771,401
SAHIN, UGUR 2,563,666
SALEH, HESHAM 2,881,613
SAMSON, ILAN 2,776,312
SAMSUNG ELECTRONICS CO., LTD. 2,898,150
SANG, MINKYU 2,893,188
SANOFI 2,771,056
SANOFI-AVENTIS DEUTSCHLAND GMBH 2,744,866
SANTOS, ENRIQUE C. 2,842,011
SARGENT, BRADLEY J. 2,705,796
SARH, BRANKO 2,808,053
SARH, BRANKO 2,885,543
SARSHAR, SEPEHR 2,680,912
SASOL TECHNOLOGY (PROPRIETARY) LIMITED 2,819,813
SATYANARAYANA, GANUGAPATI 2,914,135
SAUGEY, ANTHONY 2,769,194
SAVAGE, DONNA 2,753,138
SAVARA, INC. 2,836,643
SCHALK, THOMAS BARTON 2,687,111
SCHECHTER, EMILY A. 2,860,253
SCHIBLI, ROGER 2,736,861
SCHLUMS, DIRK 2,897,693
SCHMITT, JOSEPH M. 2,893,527
SCHOENFELD, RAINER 2,769,328
SCHROEDER, NORMAN R. 2,824,697
SCHROEDER, THOMAS C. 2,900,294
SCHROEDER, THOMAS C. 2,900,980
SCHROTT, ADAM 2,793,519
SCHUEHLER, DAVID VINCENT 2,691,229
SEABERG, WAYNE G. 2,750,322
SEALFON, ANDREW 2,977,099
SEIDEL, JOHN G. 2,822,808
SEIFERT, JOST 2,822,306
SELDEN, BRIAN A. 2,900,294
SELDEN, BRIAN A. 2,900,980
SELVITELLI, DAVID 2,643,952
SEMMELBAUER, THILO 2,791,140
SENDA, YUZO 2,897,373
SENGUPTA, SAUMITRA 2,765,983
SENZAKI, KENTA 2,897,373
SERTCHOOK, HANAN 2,732,368
SHALEV, ILAN 2,870,392
SHANG, SHERWIN S. 2,760,237
SHANGHAI PHARMACEUTICALS HOLDING CO., LTD. 2,828,378
SHAPIRO, JOHN ROBERT 2,889,095
SHARMA, ANIL 2,811,408
SHEN, JINGKANG 2,828,378
SHEN, LIN-PING 2,708,114
SHENG, ZHAOSHUN 2,818,272
SHEPHERD, DAVID 2,753,138
SHEPPARD, AMY 2,791,140
SHIZUKU, FUMISHIGE 2,907,281
SHIZUKU, FUMISHIGE 2,907,284
SHMILOVICH, ARVIN 2,823,943
SHOME, MOUSHUMI 2,782,893
SHORR, ROBERT G.L. 2,684,479
SHOUM, JOSEPH R. 2,643,952
SIEGER, PETER 2,810,295
SIEH, ZARA 2,753,138
SINUSAS, ERIC 2,806,106
SIRIUS XM CONNECTED VEHICLE SERVICES INC. 2,687,111
SIWA CORPORATION 2,724,886
SKALA, ROBERT D. 2,840,235
SLACKER, INC. 2,672,437
SLUSARENKO, WILLIAM S. 2,846,173
SMART SOLUTIONS TECHNOLOGIES, S.L. 2,832,470
SMITH, DANIEL JOHN 2,934,358
SMITH, RICHARD D. 2,696,115
SNECMA 2,773,047
SNECMA 2,786,988
SNYDER, HERMAN E. 2,836,643
SODARO, BRUNO GIUSEPPE 2,897,693
SOL-GEL TECHNOLOGIES LTD. 2,732,368
SOLENIS TECHNOLOGIES CAYMAN, L.P. 2,736,512
SONI, PRAVIN 2,836,643
SONY INTERACTIVE ENTERTAINMENT AMERICA LLC 2,879,235
SOWDEN, HARRY S. 2,775,126
SPECIALTY MINERALS (MICHIGAN) INC. 2,736,512
STACHLER, JOHN P. 2,716,306
STANGHELLINI, ILARIA 2,678,901
STARK, TIMOTHY D. 2,886,031
STAUBLI FAVERGES 2,715,520
STAUBLI FAVERGES 2,715,750
STEAD, KELLY MAXWELL 2,844,193
STEIGER, NATHANIEL 2,805,124
STEYNBERG, ANDRE PETER 2,819,813
STOESZ, CARL W. 2,906,412
STOUT, SCOTT G. 2,833,710
STOVALL, JIMMY LEE 2,687,111
STRACHILA, JOSEPH 2,850,800
STRECK, INC. 2,716,337
STREM, BRIAN M. 2,609,361
STUART, JONATHAN T. 2,710,383
STUPI, BRIAN P. 2,727,709
SUGAMA, HIROSHI 2,828,378
SUMITOMO SEIKA CHEMICALS CO., LTD. 2,953,888
SUN, ZHICHENG 2,884,667
SURYS 2,945,024
SUTCLIFFE, MATTHEW LESLIE 2,763,371
SUTMAN, FRANK J. 2,736,512

SUZHOU TERGAR IOT TECHNOLOGY CO., LTD 2,918,107
SWARTZ, TREVOR, ELI 2,737,045
SZECHINSKI, WILLIAM P. 2,760,237
SZYMCZAK, CHRISTOPHER E. 2,775,126
TADA, MASAO 2,860,743
TADEN, ANDREAS 2,769,328
TAJIME, JUNJI 2,897,373
TAKATORI, JUNICHI 2,953,888
TAKESHITA, YUKITERU 2,869,139
TAKEUCHI, MASAHIRO 2,909,980
TAKEUCHI, YASUHIRO 2,880,247
TANAKA, HIDEAKI 2,907,281
TANAKA, SHINJI 2,923,462
TANG, KEQI 2,696,115
TANO, YUTAKA 2,909,659
TAUER, MARK 2,643,952
TAYLOR, DAVID E. 2,691,229
TAZAKI, GO 2,848,875
TEERLING, TATIANA JOHANNA JUDITH 2,710,272
TENG, ALEX 2,897,693
TERAPHYSICS CORPORATION 2,678,885
TERMAAT, JOEL R. 2,716,337
THALES 2,702,571
THE BOEING COMPANY 2,771,401
THE BOEING COMPANY 2,782,530
THE BOEING COMPANY 2,782,893
THE BOEING COMPANY 2,792,697
THE BOEING COMPANY 2,793,177
THE BOEING COMPANY 2,808,053
THE BOEING COMPANY 2,823,943
THE BOEING COMPANY 2,823,977
THE BOEING COMPANY 2,850,800
THE BOEING COMPANY 2,885,543
THE ESAB GROUP, INC. 2,790,168
THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES 2,678,901
THE LUBRIZOL CORPORATION 2,774,124
THE NIELSEN COMPANY (US), LLC 2,654,684
THE NIELSEN COMPANY (US), LLC 2,773,567
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 2,699,944
THE ROCKEFELLER UNIVERSITY 2,729,160
THE SCRIPPS RESEARCH INSTITUTE 2,755,821
THEBAULT, DENIS 2,793,250
THERACLONE SCIENCES, INC. 2,755,821
THERMO FISHER SCIENTIFIC (BREMEN) GMBH 2,835,501
THOLL, ROB 2,654,617
THORLABS, INC. 2,777,465
THORLEY, CRAIG STEPHEN 2,762,847
TIBERGHIEN, ALAIN-CHRISTOPHE 2,715,520
TIBERGHIEN, ALAIN-CHRISTOPHE 2,715,750
TIMBERLAKE, BRENT 2,922,610
TOLEDANO, OFER 2,732,368
TOLLET, VINCENT 2,945,024
TONTI, NICHOLAS K. 2,893,084
TOWNSEND, STEVE 2,853,014
TOY, JAMES F. 2,805,124
TOYOTA JIDOSHA KABUSHIKI KAISHA 2,907,281
TOYOTA JIDOSHA KABUSHIKI KAISHA 2,907,284
TOYOTA JIDOSHA KABUSHIKI KAISHA 2,908,283
TOYOTA JIDOSHA KABUSHIKI KAISHA 2,909,659
TOYOTA JIDOSHA KABUSHIKI KAISHA 2,909,932
TRACEY, MICHAEL R. 2,705,796
TRACHTENBERG, JON 2,881,613
TRANSMEDICS, INC. 2,881,613
TREMBLAY, BRUNO 2,808,705
TREMBLAY, KATHLEEN 2,643,952
TRUCHON, MARTIN 2,806,106
TSEHORI, JONATHAN 2,870,392
TSO3 INC. 2,808,705
TSUCHIYA, CHIEMI 2,860,743
TSUYUZAKI, MASAO 2,860,743
TUCKER, NELSON P. 2,846,173
TUERECI, OEZLEM 2,563,666
TUNG, ROGER D. 2,771,123
UNITRACT SYRINGE PTY LTD 2,762,847
UNIVERSITE DE STRASBOURG 2,762,832
UNIVERSITE DU QUEBEC A CHICOUTIMI 2,806,106
UNIVERSITY OF UTAH RESEARCH FOUNDATION 2,756,300
UTSUMI, MASATO 2,860,743
VALEO SYSTEMES D'ESSUYAGE 2,793,250
VALLIERES, JEAN-MARTIN 2,808,705
VANDEPONSEELE, ANGELA LEE 2,854,572
VASILIOTIS, CHRISTOPHER M. 2,732,668
VEASEY, ROBERT 2,744,866
VEREL, ALIETTE 2,839,579
VERMA, ANSHU 2,811,408
VERMA, ANSHU 2,889,095
VICENTE RENGEL, CHRISTIAN 2,832,470
VIGNEAULT, FRANCOIS 2,814,047
VILJOEN, HENDRIK J. 2,716,337
VILLAHERMOSA JAEN, MARIA L. 2,726,571
VILLEMOES, LARS 2,958,350
VILLEMOES, LARS 2,958,360
VIRGINIE, MIRELLA 2,762,832
VOGLER, KLAUS 2,826,799
W.L. GORE & ASSOCIATES, INC. 2,867,647
W.L. GORE & ASSOCIATES, INC. 2,910,563
WADE, JOHN R. 2,825,369
WAHLGREN, STEPHEN B. 2,705,796
WALKER, JOEL R. 2,806,332
WALKER, LAURA MARJORIE 2,755,821
WALL, JODY RYAN 2,854,389
WALSH, OLIVER 2,759,796
WALSH, PAUL 2,759,796
WALTER, STEPHEN A. 2,716,306
WANG, JIANHUA 2,818,272
WANG, MICHAEL 2,663,980
WANG, TONGAN 2,839,430
WANG, WEI 2,919,460
WANG, XIANGZHU 2,746,264
WANG, YING 2,774,124
WARNER, JERRY B. 2,776,718
WATANABE, TOHRU 2,860,743
WATSON, BRIAN MORGAN 2,898,500
WATTELLIER, ARNAUD 2,918,927
WAVELIGHT GMBH 2,826,799
WAVELIGHT GMBH 2,915,520
WCCO BELTING, INC. 2,942,397
WEBER, DARREN J. 2,784,384
WEIGHT WATCHERS INTERNATIONAL, INC. 2,791,140
WEIGHTWATCHERS.COM, INC. 2,791,140
WEIR, GENEVIEVE MARY 2,700,808
WEISENBERGER, PAMELA J. 2,886,031
WELHAM, NICHOLAS JAMES 2,763,371
WELLBORE ENERGY SALES LTD. 2,854,572
WESTINGHOUSE ELECTRIC COMPANY LLC 2,822,749
WESTINGHOUSE ELECTRIC COMPANY LLC 2,822,808
WHITAKER, BRUCE 2,947,273
WHITNEY, SCOTT E. 2,716,337
WIDMER, LEAH 2,810,676
WIGIANTO, RUDI 2,880,247
WILK, ROBERT 2,753,138
WINNEROSKI, LEONARD LARRY, JR. 2,898,500
WISCONSIN ALUMNI RESEARCH FOUNDATION 2,777,938
WITTWER, CARL THOMAS 2,756,300
WITZ, JEAN-CHRISTOPHE 2,897,693
WOBBEN PROPERTIES GMBH 2,834,738
WOBBEN PROPERTIES GMBH 2,860,496
WOBBEN PROPERTIES GMBH 2,889,102
WOLF, ERIC JOHN 2,748,266
WOLVERINE OUTDOORS, INC. 2,865,776
WOO, SOON HYUNG 2,680,912
WRIGHT, RODNEY S. 2,885,543
WU, WEIDONG 2,727,709
WU, ZHILIN 2,821,701
WUELLNER, CHRISTIAN 2,826,799
WULUR, ISABELLA 2,609,361

Index of Canadian Patents Issued
November 14, 2017

XIA, GUANGXIN 2,828,378
XIE, JIANSHU 2,828,378
XUAN, CAIYUN 2,699,944
YAMAMOTO, YUICHIRO 2,869,139
YAMASHITA, AKIRA 2,908,283
YANG, YONG 2,821,701
YANG, YONGFENG 2,884,667
YAO, WEIBING 2,884,667
YENSEN, TREVOR NOEL 2,744,253
YOON, MYUNGKEUN 2,821,701
YOSHIKAWA, HIROO 2,909,932
YOULIO, ANDREW MARC 2,919,819
YU, GUO-LIANG 2,719,400
YU, HONG-ZENG 2,860,372
YUASA, NAOHIRO 2,860,743
ZALEWSKI, GARY M. 2,879,235
ZANELLATO, ANNA MARIA 2,763,945
ZEON, YOUNG 2,850,800
ZHANG, QIANG 2,918,107
ZHANG, SUOMING 2,746,264
ZHANG, TING 2,884,667
ZHENG, LIANJUN 2,884,667
ZHU, DEHUA 2,818,272
ZHU, MIN 2,609,361
ZHU, WEIMIN 2,719,400
ZONNEVELD, EDWIN JOHN WILLIAM 2,844,193
ZTE CORPORATION 2,795,904

Index of Canadian Applications Open to Public Inspection

October 29, 2017 to November 4, 2017

Index des demandes canadiennes mises à la disponibilité du public

29 octobre 2017 au 4 novembre 2017

ABEN, JEAN-PAUL 2,965,120
ACOSTA, ROBERT A. 2,965,624
ACOSTA-RAMIREZ, HUGO 2,932,090
ADAMS, JARED J. 2,965,456
AHUJA, SANJAY 2,965,921
AHUJA, SANJAY 2,965,922
AHUJA, SANJAY 2,965,924
ALMAGRO, JUAN CARLOS 2,965,652
ALUNNI, VICTOR 2,965,392
AMRINE, PATRICK 2,947,334
ANESI, ANDREA 2,966,106
ANTINOLFI, JOHN 2,928,680
ASIA FASTENING (US), INC. 2,964,008
ASSA ABLOY ENTRANCE SYSTEMS AB 2,963,656
ATKINSON, PETER 2,928,488
AUSTIN, JASON FRANKLIN 2,928,939
AXENS 2,965,413
BAZOS, DEMETRIUS J. 2,928,818
BEAUCHAMP, PIERRE-LUC 2,952,137
BECK, HAROLD KENT 2,965,921
BECK, HAROLD KENT 2,965,922
BECK, HAROLD KENT 2,965,924
BEN SALAH, IHSEN 2,928,823
BENECKE, ARNOLD G. 2,965,624
BENNETT, ERIC M. 2,965,652
BENUM, LESLIE WILFRED 2,928,459
BHARADWAJ, JEETENDRA 2,965,954
BORLOZ, PAUL R. 2,964,553
BRAINCHILD SURGICAL DEVICES LLC 2,928,615
BRIAND, VALERIE 2,964,931
BROCKEL, MICHAEL D. 2,966,094
BRUGGER, EMMANUEL 2,963,564
BRUNONE, RENE 2,965,799
BUHLMANN, JANET ELIZABETH 2,965,652
BUNKER, RONALD SCOTT 2,964,624
BURNSIDE, PHILLIP 2,965,030
BYRNE, NORMAN R. 2,965,833
BYRNE, NORMAN R. 2,965,859
BYRNE, NORMAN R. 2,965,882
BYRNE, NORMAN R. 2,965,885
BYRNE, NORMAN R. 2,965,889
BYRNE, NORMAN R. 2,965,892
C.E.R.M.E.X. CONSTRUCTIONS ETUDES ET RECHERCHES DE MATERIELS POUR L'EMBALLAGE D'EXPEDITION 2,965,043
CAMP, WILLIAM P., JR. 2,965,624
CAMPBELL, SUSAN 2,932,090
CANADIAN BLOOD SERVICES 2,966,425
CARL FREUDENBERG KG 2,965,655
CHEN, CHELOR 2,966,094
CHEVRON PHILLIPS CHEMICAL COMPANY LP 2,959,223
CHONG, MATTHEW JOHN 2,929,349
CHOPLIN, GREGORY 2,965,043
CICCONE, DINO 2,927,825
CJS PRODUCTION TECHNOLOGIES INC. 2,965,760
CLARK, SUZANNE WHITFIELD 2,966,233
COLLETTE, STEPHEN ROBERT 2,945,359
COLYAR, JAMES J. 2,965,413
COTE, GUYLAINE 2,949,319
COTE, VYTAL 2,949,319
COVIDIEN LP 2,965,931
COVIDIEN LP 2,965,951
COVIDIEN LP 2,965,954
COYLE, ANTHONY JOHN 2,965,652
CRISTEL 2,963,564
DAGENAIS, MELANIE 2,928,500
DAIFUKU CO., LTD. 2,958,522
DANCO, INC. 2,966,109
DARR, MATTHEW RAIN 2,965,023
DAUGBJERG, CRISTIAN J. 2,964,553
DAVIS, SCOTT 2,966,086
DAYTON, LIONEL E. 2,964,008
DE HAAS, THOMAS W. 2,932,090
DE LASA, HUGO 2,966,111
DEES, JASON EDWARD 2,965,292
DEFRANKS, MICHAEL S. 2,965,025
DELPERDANG, GARY J. 2,965,197
DHOTE, NAVNEET RAMKRUSHNAJI 2,965,021
DIMEX OFFICE PRODUCTS LLC 2,947,334
DITULLIO, ROBERT J. 2,975,770
DODANE, PAUL 2,963,564
DONKOR, DAVID APRAKU 2,966,425
DORAISWAMY, SRIRAM 2,978,157
DREAMWELL, LTD. 2,965,025
DROUVILLE, PASCAL 2,963,564
DUWELL, MICHAEL J. 2,965,025
E2METRIX INC. 2,928,823
EARTHBIN INC. 2,928,891
EATON CORPORATION 2,965,021
EATON CORPORATION 2,965,023
EEMAX, INC. 2,963,201
EGGENBERG, ANDREAS 2,965,227
ELLIOTT, MARK 2,966,094
ENDURA PRODUCTS, INC. 2,937,472
ENG, DENNEDY D.J. 2,932,090
EXXONMOBIL UPSTREAM RESEARCH COMPANY 2,978,157
FARAG, HANY ISKANDAR 2,928,459
FILIPPIDIS, SARA 2,964,931
FISHER, ROBERT EARL 2,960,004
FIVES OTO S.P.A. 2,966,106
FLOCKENHAUS, MICHAEL 2,928,939
FLUHR, TOBIAS 2,965,305
FQE CHEMICALS INC. 2,928,419
FRANCO MANUFACTURING CO. INC. 2,936,344
FRANCO, DAVID LOUIS 2,936,344
GAYDOS, STEPHEN P. 2,959,264
GCX CORPORATION 2,964,553
GEIGER, ANDREAS 2,965,227
GENERAL ELECTRIC COMPANY 2,964,614
GENERAL ELECTRIC COMPANY 2,964,617
GENERAL ELECTRIC COMPANY 2,964,624
GENERAL ELECTRIC COMPANY 2,964,724
GENERAL ELECTRIC COMPANY 2,965,292
GEORGESON, GARY 2,964,400
GERMAIN, SIMON-PIERRE 2,952,137
GEUBERT, CHRISTIAN 2,965,655
GIBSON, SIDNEY 2,928,655
GLASER, ROBERT P. 2,964,553
GLAZIER, RICKY J. 2,966,094
GRAHAM, BRUCE PATRICK 2,964,655
GREEN, JEFFREY 2,928,478
GREENBERG, STEVEN A. 2,965,652
GROBE, JUSTIN L. 2,929,810
GROVES II, ROBERT CHARLES 2,964,624
GUERRY, BRIAN ROBERT 2,966,233
GULLA, STEFANO V. 2,965,652
GUO, XUAN 2,965,023
HAGGARD, GARY B. 2,965,970
HALL, JAMES PERRY 2,965,652
HALLMAN, DAVID 2,928,891
HAWK INDUSTRIES, INC. 2,965,775
HAYDEN, CHRIS 2,963,201
HILL, MORGAN L. 2,965,954
HOFFMANN NEOPAC AG 2,965,227
HOOFARD, RICHARD K. 2,963,656
HOTTOVY, JOHN D. 2,959,223
HOUGHTON, DAVID L. 2,965,456
HOWE, STEPHEN ROLAND 2,965,175
HUARD, CHRISTINE 2,965,652
HUBBELL INCORPORATED 2,929,349
HURLEY, PATRICK J. 2,930,799
HUYNH, QUANG MINH 2,965,456

IFP ENERGIES NOUVELLES 2,965,413
IHN, JEONG-BEOM 2,964,400
IJERI, VIJAYKUMAR S. 2,959,264
ILLINOIS TOOL WORKS INC. 2,951,304
ION IRRIGATION MANAGEMENT INC. 2,928,763
IRVINE, DOUGLAS J. 2,932,090
JANG, BETTINA A. 2,927,825
JANKIN, GREEDARAN KUBENDRAN 2,964,655
JASKIEWICZ, TOMASZ 2,937,472
JOHNSON, BRAD 2,928,672
JOHNSON, TIM 2,966,153
JONNALAGADDA, DATTU, G.V. 2,964,655
JOSAWA, S.A. DE C.V. 2,951,055
JURCZYSZAK, ERIC R. 2,963,201
KAMINSKY, ROBERT D. 2,978,157
KELLY, BRENDAN 2,965,970
KEWAUNEE SCIENTIFIC CORPORATION 2,957,393
KHALEDI, RAHMAN 2,978,157
KHAN, NOUMAN BASHIR 2,929,349
KISER, SCOTT W.W. 2,965,760
KLEINSCHMIDT, ROBERT ALAN 2,951,304
KLUTHE, JEFFREY THOMAS 2,928,459
KNAPP, ROBERT L. 2,965,885
KNUETTEL, ALEXANDER 2,962,304
KODANGATTIL, SREEKUMAR R. 2,965,652
KOLONIA, BRIAN J. 2,965,392
KOLONIA, ROBERT K. 2,965,392
KONIDAS, PETER J. 2,928,818
KOSEK, STEPHEN 2,963,656
KOSELEK, MICHAEL EDWARD 2,928,459
KOSLIK, JOSEPH 2,959,824
KOZLOWSKI, ERIC 2,966,219
KRIMSKY, WILLIAM S. 2,965,931
KRITZER, PETER 2,965,655
KUFELD, SCOTT E. 2,959,223
KUMAR, PRAMOD 2,965,021
LAAROUSSI, MOHAMED 2,928,823
LACOINTE, STEPHANIE 2,964,931
LANGLOIS, SIMON 2,952,137
LARSON, ERIC W. 2,965,954
LAUER, FRANK 2,965,655
LAUTENBACH, AARON G. 2,965,882
LAVALLIE, EDWARD ROLAND 2,965,652
LAW, MATTHEW G. 2,966,094
LEBLANC, DANIEL A. 2,928,417
LEDOUX, LEON 2,965,120
LEE, RAZGO 2,959,824
LELEK, SHAWN 2,971,322
LEMELIN, AMELIE 2,928,500
LEYARD OPTOELECTRONIC CO., LTD. 2,942,939
LIGHTY, KERRY J. 2,965,030
LITTLEFIELD, JOSHUA K. 2,964,553
LOCK ANTRIEBSTECHNIK GMBH 2,965,305
LOCK, FRANK 2,965,305
LUKES, RICHARD W. 2,964,008
MACDOUGALL, KENNETH L. 2,959,908
MACKIN, STEVE 2,960,004
MAGILL, MICHAEL 2,928,763
MAGNA SEATING INC. 2,966,219
MAH, EVAN GEEVOUY 2,928,459
MAHAN, CASEY 2,928,763
MAHER, PETER J. 2,965,889
MAJOR PRODUCTS/ SIDNEY GIBSON LIMITED 2,928,655
MANESH, ALIREZA MOLAEI 2,965,761
MANKAR, NIKHIL P. 2,965,954
MASON, DOUGLAS J. 2,928,419
MCCLURE, MIKE 2,965,775
MEETHER, STUART L. 2,966,094
MENZENHAUER, FRANK 2,965,655
MESSINA, CLAUDIO 2,965,861
MESSINA, GIANFRANCO 2,965,861
MIHU, SERGIU GABRIEL 2,963,201
MILLER, MITCHELL B. 2,967,707
MILLWARD, DOUGLAS 2,964,655
MINISH, SHELDON M. 2,965,760
MITCHELL, MARC A. 2,965,885
MITEK HOLDINGS, INC. 2,965,456
MOHAMED ANVER, MOHAMED RIZLAN 2,928,452
MOHAN, SUBRAMANIAN 2,959,264
MORAD, FRED I. 2,965,624
MOREY, KEVIN 2,947,334
MORIN, SEBASTIEN 2,952,137
MORRIS, JOHN R. 2,965,760
MORROW, NICKOLAS J. 2,965,833
MORROW, NICKOLAS J. 2,965,885
MORROW, NICKOLAS J. 2,965,892
MOSYAK, LIDIA 2,965,652
MUKHERJEE, SHILADITYA 2,964,614
NAHRWOLD, OLAF 2,965,655
NCS MULTISTAGE INC. 2,966,153
NESTER, TRAVIS 2,971,322
NEUNDORFER, OSCAR L. 2,965,021
NIEDERER, PATRICK 2,965,305
NOVA CHEMICALS CORPORATION 2,928,459
NUCOR CORPORATION 2,964,008
OBAGI, ZEIN E. 2,975,115
OGAWA-GARCIA, SYDNEY MARIE 2,966,233
OKAMURA, TAKASHI 2,958,522
ORBIS CORPORATION 2,965,175
OSAWA DIAZ, JOSE 2,951,055
OTTO INTERNATIONAL, INC. 2,959,824
OVIVO INC. 2,965,970
PANKRATOV, MAKSIM 2,962,050
PATE, RANDELL E. 2,965,859
PELLETIER, VINCENT 2,928,447
PETERSEN, RALF 2,961,064
PF WATERWORKS LP 2,965,921
PF WATERWORKS LP 2,965,922
PF WATERWORKS LP 2,965,924
PFIZER INC. 2,965,652
PIE MEDICAL IMAGING B.V. 2,965,120
PLACSKO, CHAD 2,928,763
POST CONSUMER BRANDS, LLC 2,945,359
PRAKASH, OM 2,959,264
PRATT & WHITNEY CANADA CORP. 2,962,050
PRO FORM PRODUCTS LIMITED 2,959,422
PROPES, MARK 2,928,478
PUTCHA, SAI PHANEENDRA SRI HARSHA VISWANATH 2,965,197
PUTZ, BENJAMIN 2,964,549
QUIROZ, ANTHONY 2,959,824
RAFEZY, BEHZAD 2,965,456
REHRIG PACIFIC COMPANY 2,966,233
REMUDA ENERGY SOLUTIONS LTD. 2,971,322
RESCHKE, ARLEN J. 2,965,954
RICHARDSON, KEVIN 2,928,672
RINDOKS, KURT P. 2,957,393
ROEVER, DOUGLAS M. 2,965,254
ROLLS-ROYCE CORPORATION 2,965,030
ROLLS-ROYCE CORPORATION 2,965,254
ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC. 2,965,030
ROOKS, KATHY E. 2,965,951
ROY, JACQUES 2,928,806
RUIZ, ANDRES 2,936,344
RYNERSON, JAMES M. 2,965,904
SANDERS, FORREST ADAM 2,947,334
SANTILLAN, DONNA ANN 2,929,810
SANTILLAN, MARK K. 2,929,810
SAPIANO, HENRY J. 2,932,090
SAWAI, NILESH KAMLAKAR 2,965,021
SCHUSTER, MICHAEL J. 2,966,109
SCRANTON PRODUCTS, INC. 2,965,392
SERCEL 2,965,250
SHEFFIELD, WILLIAM PETER 2,966,425
SHERWINTER, DANNY A. 2,928,615
SHINE CHARM LIMITED 2,953,448
SIMANZHENKOV, VASILY 2,928,459
SIVAPRASAD, RACHAMADUGU 2,964,655
SMITH, JAMES F. 2,965,950
SMITH, JENNIFER 2,932,090
SOLO-MED GMBH 2,961,064
SOREL, WILLIAM J. 2,928,420
SPECK, JAMES H. 2,959,422
SPORT MASKA INC. 2,952,137
STEADYSERV TECHNOLOGIES, LLC 2,928,939
STEENBRINK, BRIAN WILLIAM 2,952,137
SUNCOR ENERGY INC. 2,932,090
TESA SE 2,964,549
THE BOEING COMPANY 2,959,264
THE BOEING COMPANY 2,960,004
THE BOEING COMPANY 2,964,400
THE BRIGHAM AND WOMEN'S HOSPITAL, INC. 2,965,652
THE COLEMAN COMPANY, INC. 2,966,094

Index des demandes canadiennes mises à la disponibilité du public
29 octobre 2017 au 4 novembre 2017

THE UNIVERSITY OF WESTERN ONTARIO	2,966,111
THEBUD, NILS	2,964,549
THOMPSON, BENJAMIN JOEL	2,965,175
TIWARI, PRASHANT	2,964,614
TIWARI, PRASHANT	2,964,617
TOPFLOOR UNDERLAYMENT INC.	2,928,447
TRANZONIC COMPANIES	2,965,624
TREFZ, THOMAS G.	2,966,094
UNISON INDUSTRIES, LLC	2,964,655
UNIVERSITY OF IOWA RESEARCH FOUNDATION	2,929,810
UNKNOWN	2,928,500
URBAN, ERIC JOHN	2,951,304
VALISHIN, OLEG	2,965,250
VAUGHN, MICHAEL PINKNEY	2,957,393
VERNAY, SEBASTIEN	2,964,931
VETRONE, JOE	2,932,090
VOCO GMBH	2,962,304
WAL-MART STORES, INC.	2,928,478
WAL-MART STORES, INC.	2,965,197
WALFORD, BRETT A.	2,963,656
WANG, DINGFANG	2,942,939
WANG, GUANGHUA	2,965,292
WARD, JOSEPH D.	2,965,859
WARREN, ANTHONY G.	2,965,296
WEIJERS, BAS	2,965,120
WERRIES, MICHAEL	2,966,153
WETZEL, TODD GARRETT	2,965,292
WIART, NICOLE JACQUELINE	2,952,137
WIBERG, CLARK GEORGE	2,964,614
WIEGHARDT, LISA	2,964,549
WOLF, RORY A.	2,951,304
WOODIN, FREDERICK W., JR.	2,975,115
WOTZAK, MARK GREGORY	2,964,724
YAMAUCHI, YASUHIRO	2,958,522
YU, YI	2,953,448
ZHANG, XUECHENG	2,965,023
ZHANG, YUHUA	2,966,094
ZO SKIN HEALTH, INC.	2,975,115
ZODIAC AEROSAFETY SYSTEMS	2,964,931

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

3M INNOVATIVE PROPERTIES COMPANY 2,980,735
3M INNOVATIVE PROPERTIES COMPANY 2,982,919
3M INNOVATIVE PROPERTIES COMPANY 2,982,921
3M INNOVATIVE PROPERTIES COMPANY 2,982,939
3M INNOVATIVE PROPERTIES COMPANY 2,983,688
AB INITIO TECHNOLOGY LLC 2,983,080
ABE, SHINYA 2,983,722
ABEDRABOH, MAMOON TAWFIQ 2,983,733
ABOCA S.P.A. SOCIETA AGRICOLA 2,967,746
ABOCA S.P.A. SOCIETA AGRICOLA 2,967,749
ABOUSHABANA, MOUSTAFA 2,981,182
ACADEMISCH MEDISCH CENTRUM 2,983,652
ACHARYA, BHARAT R. 2,980,735
ACHELIOS THERAPEUTICS, INC. 2,966,843
ACTIVBODY, INC. 2,983,417
ADC THERAPEUTICS S.A. 2,981,920
ADDISON, PAUL S. 2,982,855
ADEY HOLDINGS (2008) LIMITED 2,982,819
ADEY, CHRISTOPHER 2,982,819
ADKINS, STEPHEN JOHN 2,983,393
ADLER, STEVE 2,980,176
ADLOFF, LAWRENCE 2,983,462
ADVENT INTERMODAL SOLUTIONS 2,983,418
AEGERION PHARMACEUTICALS, INC. 2,983,995
AFEWORKI, MOBAE 2,967,047
AFFAGARD, HERVE 2,983,194
AFFIMED GMBH 2,983,706
AGRAWAL, AKHIL 2,983,624
AGRAWAL, TUSHAR 2,983,410
AGUAYO ARELLANO, PABLO IVAN 2,983,423
AHLGREN, NILS WILLIAM 2,965,237
AIMI, MARCO FRANCESCO 2,977,788
AIR LIQUIDE MEDICAL SYSTEMS 2,983,713
AIR LIQUIDE MEDICAL SYSTEMS 2,983,717
AJ INNUSCREEN GMBH 2,983,619
AJ INNUSCREEN GMBH 2,983,623
AJ INNUSCREEN GMBH 2,983,626
AKI, YUICHI 2,983,788
AKUTSU, YOSUKE 2,983,718
AKZO NOBEL CHEMICALS INTERNATIONAL B.V. 2,981,210
AKZO NOBEL CHEMICALS INTERNATIONAL B.V. 2,983,402
AL-YOUSEF, YOUSEF M. 2,983,238
ALANI, LAMAN 2,966,758
ALBEMARLE CORPORATION 2,967,439
ALBEMARLE EUROPE SPRL 2,983,518
ALBEMARLE GERMANY GMBH 2,983,362
ALBERT, THOMAS 2,983,351
ALBERT, THOMAS 2,983,549
ALBROW, ROBERT CHARLES 2,982,819
ALCARAZ, JEAN-PIERRE 2,981,570
ALDER BIOPHARMACEUTICALS, INC. 2,983,041
ALEXANDER, SIMON 2,976,573
ALFA LAVAL CORPORATE AB 2,983,628
ALIVEGEN USA INC. 2,983,440
ALLART, BRIGITTE 2,983,342
ALLEN, CLAUDINE 2,983,656
ALLEN, GARY ROBERT 2,983,422
ALLEN, RODGER ANTHONY 2,981,631
ALLERGAN, INC. 2,966,424
ALLERGAN, INC. 2,967,413
ALLISON, DANIEL S. 2,983,041
ALLO, FABIEN 2,983,957
ALMEIDA, JOSE LUIS 2,983,741
ALTERMAN, JULIA 2,980,337
AMANO, SHUICHI 2,984,100
AMARANTE, MIRANDA 2,980,722
AMAZON TECHNOLOGIES, INC. 2,980,583
AMAZON TECHNOLOGIES, INC. 2,980,590
AMBLARD, MATTHIEU 2,981,567
AMERI, JACQUELINE 2,983,764
AMGEN INC. 2,980,960
AMOREPACIFIC CORPORATION 2,980,890
AMUT S.P.A. 2,983,710
ANAND, FARMINDER SINGH 2,982,683
ANDERSEN, AUDREE 2,983,892
ANDERSON, GRANT 2,983,799
ANDERSON, IAN 2,983,103
ANDERSSON, LEIF 2,983,565
ANDRE, JEROME 2,983,704
ANDRITZ HYDRO GMBH 2,983,631
ANGSTMANN, STEVEN ANTONY 2,984,011
ANSARI, AYSHA 2,983,804
ANTON, KENNETH J. 2,982,925
ANTONIOU, ZOI 2,980,791
APPLY RIGHT, LLC 2,983,275
AQUATECH INTERNATIONAL, LLC 2,983,645
ARAI, RYOSUKE 2,983,391
ARAKANE, TORU 2,983,812
ARCELORMITTAL 2,980,878
ARCELORMITTAL 2,981,567
ARCTURUS THERAPEUTICS, INC. 2,968,060
ARENT, LEE MATHEW 2,983,340
ARIAD PHARMACEUTICALS, INC. 2,965,169
ARKEMA FRANCE 2,967,179
ARMSTRONG WORLD INDUSTRIES, INC. 2,983,637
ARNETT, MELISSA 2,981,362
ARONIN, NEIL 2,980,337
ARRAY BIOPHARMA, INC. 2,967,951
ARRIGO, ALISHA B. 2,967,951
ARUMUGAM, SIVAKUMAR 2,967,952
ASANO, YASUTOMI 2,983,391
ASCENSIA DIABETES CARE HOLDINGS AG 2,983,551
ASILOMAR BIO, INC. 2,983,592
ASKIJIAN, ARMEN 2,983,494
ASKIJIAN, ARMEN 2,983,497
ASSISTANCE PUBLIQUE HOPITAUX DE MARSEILLE 2,983,365
ASTELLAS PHARMA INC. 2,983,400
ASTERJADHI, ALFRED 2,980,467
ASTERJADHI, ALFRED 2,980,674
ASTERJADHI, ALFRED 2,980,675
ASTIR TECHNOLOGIES, INC. 2,983,864
ASTRAZENECA AB 2,983,668
ATERICA INC. 2,983,806
ATILA BIOSYSTEMS, INC 2,983,819
ATKINS, ANNETTE 2,983,268
ATKINSON, JONATHAN 2,964,304
ATTABOTICS INC. 2,983,630
AUBE, TODD 2,964,964
AUDENAERT, FRANS A. 2,983,688
AUERBACH, PHILIPP 2,983,697
AURA - ENGINEERING HRANICE S.R.O. 2,983,480
AUTOMED KIOSK PTY LTD 2,983,692
AUTOMOTIVE DATA SOLUTIONS, INC. 2,984,083
AUZERAIS, FRANCOIS M. 2,980,722
AVENT, INC. 2,983,586
AVENT, INC. 2,983,587
AVENT, INC. 2,983,591
AVENT, INC. 2,983,607
AVERY DENNISON CORPORATION 2,981,362
AVERY DENNISON CORPORATION 2,983,309

AVIDBOTS CORP. 2,983,944
AVIVAGEN INC. 2,983,791
AVSHALOM, SHIMON 2,983,676
AXON PRESSURE PRODUCTS INC. 2,983,305
AYME-PERROT, DAVID 2,981,648
AYUB, MUHAMMAD 2,983,101
AZUMA, RYOTA 2,983,400
B. BRAUN MEDICAL INC. 2,983,594
B. MAIER ZERKLEINERUNGSTECHNIK GMBH 2,982,844
BABA, AKIRA 2,983,989
BACHMAN, BEN 2,983,817
BACK, OLIVIER 2,983,671
BACON, RAYMOND JOHN 2,982,529
BACQUE, JAMES BENSON 2,983,461
BADGER LICENSING LLC 2,968,063
BADHWAR, AJAY N. 2,982,510
BAE SYSTEMS PLC 2,983,689
BAE, YOU HAN 2,966,422
BAECKSTROEM, TOM 2,983,813
BAGLEY, COLIN 2,983,451
BAHREYNI, BEHRAAD 2,983,860
BAILEY, ANDREW 2,983,781
BAKER HEART AND DIABETES INSTITUTE 2,983,808
BAKER HUGHES, A GE COMPANY, LLC 2,980,919
BAKER HUGHES, A GE COMPANY, LLC 2,980,981
BAKER HUGHES, A GE COMPANY, LLC 2,980,988
BAKER HUGHES, A GE COMPANY, LLC 2,981,008
BAKER HUGHES, A GE COMPANY, LLC 2,981,160
BAKER HUGHES, A GE COMPANY, LLC 2,983,273
BAKER HUGHES, A GE COMPANY, LLC 2,983,793
BAKER HUGHES, A GE COMPANY, LLC 2,983,811
BAKER, DANNIAL, JR. 2,984,023
BAKER, DANNIAL, SR. 2,984,023
BAKER, JAY 2,983,653
BAKER, KEVIN 2,980,460
BAKER, KRISTI 2,983,794
BAKER, KRISTI 2,983,796
BAKER, PATRICK 2,984,032
BALATSOS, ARIS 2,983,800
BALIGA, RAMESH 2,980,751
BALINT, GEZA 2,983,087
BALLAN, EYAL 2,983,557
BALOGH, AKOS 2,980,824
BANDER, NICHOLAS 2,983,579
BANERJEE, GOUTAMI 2,983,620
BANERJEE, RAJAT 2,980,583
BARBER, SCOTT 2,983,063
BARBIER, ANN 2,967,382
BARBIERO, GENNARO 2,964,964
BARBION, JULIEN 2,983,674
BARBOUR, PATRICK 2,983,992
BARDIN, NATHALIE 2,983,365
BARJON, DANIELE 2,981,628
BARKAN, EDWARD D. 2,983,119
BARNSCHEID, LUTZ 2,983,485
BARNSCHEID, LUTZ 2,983,499
BARNSCHEID, LUTZ 2,983,634
BARNSCHEID, LUTZ 2,983,638
BARNSCHEID, LUTZ 2,983,640
BARNSCHEID, LUTZ 2,983,642
BARNSCHEID, LUTZ 2,983,648
BARONE, FRANCESCA 2,981,631
BARRIAC, GWENDOLYN DENISE 2,980,467
BARRIAC, GWENDOLYN DENISE 2,980,674
BARRIAC, GWENDOLYN DENISE 2,980,675
BARRY, JOHN J. 2,968,104
BARTHOLDI, JURG 2,983,622
BARTLING, BRANDON A. 2,980,735
BARTON-SMITH, TERENCE MARK 2,983,065
BASAFA, EHSAN 2,983,145
BASF COATINGS GMBH 2,983,892
BASF SE 2,981,113
BASF SE 2,981,396
BASF SE 2,981,755
BASF SE 2,983,393
BASIR, OTMAN A. 2,979,206
BASSISSI, FIRAS 2,965,262
BASSON, GAL 2,979,050
BASTIANELLI, ENRICO 2,983,373
BASTOS, CARLOS ANDRE PASSOS 2,983,651
BATAHLA, KEVIN 2,983,947
BATARSEH, SAMEEH I. 2,983,101
BATSON, WILLIAM A. 2,983,374
BATSON, WILLIAM A. 2,983,658
BAUDIN, NICOLAS 2,981,634
BAUDIN, NICOLAS 2,981,640
BAUDIN, NICOLAS 2,981,681
BAUER, JURGEN 2,983,892
BAUER, MIKAEL 2,980,836
BAUER, WALTER JACOB 2,983,830
BAUMGART, DANIEL 2,983,382
BAUMGARTNER, DEAN JOSEPH 2,982,683
BAUMGARTNER, JOSEPH ERNEST 2,966,887
BAXTER HEALTHCARE SA 2,968,104
BAXTER INTERNATIONAL INC. 2,968,104
BAXTER, JAMES M., JR. 2,964,964
BAYER AKTIENGESELLSCHAFT 2,983,884
BAYER CROPSCIENCE AKTIENGESELLSCHSAFT 2,983,763
BAYER CROPSCIENCE LP 2,980,723
BAYER CROPSCIENCE NV 2,983,893
BAYER HEALTHCARE LLC 2,983,589
BAYER, TRAVIS SCOTT 2,983,592
BAYLOR COLLEGE OF MEDICINE 2,983,434
BAZIN-LEE, HELENE G. 2,967,248
BAZZELL, NATHANAEL RON 2,979,799
BEATTY, ROBERT 2,983,429
BEAU, JEREMY 2,980,723
BECKETT, PAUL 2,966,334
BECKETT, PAUL 2,966,356
BECKETT, PAUL 2,966,359
BECTON DICKINSON ROWA GERMANY GMBH 2,983,375
BECTON DICKINSON ROWA GERMANY GMBH 2,983,554
BEDARD, MARC 2,983,657
BEDDOW, JESSICA GRACE 2,979,837
BEDNAREK, MAGDALENA ANNA 2,966,314
BEEHARRY, NEIL 2,966,334
BEEHARRY, NEIL 2,966,356
BEEHARRY, NEIL 2,966,359
BEEK, WALDO JOSEPH ELISABETH 2,981,210
BEHRENDT, GERALD 2,983,558
BEISEL, CHASE LAWRENCE 2,983,874
BEISELE, CHRISTIAN 2,983,679
BEK, MARTIN 2,981,113
BELANGER, MICHAEL J. 2,983,409
BELANGER, MICHAEL J. 2,983,430
BELDEN CANADA INC. 2,983,354
BELDEN CANADA INC. 2,983,356
BELLIN, ERIN GRACE SUMMERS 2,965,165
BELLIN, ERIN GRACE SUMMERS 2,965,172
BELLOVIN, DAVID 2,980,460
BELTRAN, CHRISTINE J. 2,980,118
BENDER, ANDREW 2,967,853
BENIE, ASTRID 2,980,836
BENITEZ, KIARA M. 2,967,047
BENKOVIC, STEPHEN 2,981,773
BENNETT, JUSTIN E. 2,980,587
BENNETT, PAUL NATHAN 2,983,109
BENNETT, PAUL NATHAN 2,983,124
BENTZINGER, CONRAD FLORIAN 2,980,113
BENYAMIN, RASMIN M. 2,983,582
BERARD, MATHIEU 2,981,682
BERDOU, CAROLINE JACQUELINE DENISE 2,983,968
BERDOU, CAROLINE JACQUELINE DENISE 2,983,970
BERENDSEN, MARK 2,982,414
BERET, ANTOINE 2,965,262
BERG, CHARLES JOHN, JR. 2,983,340
BERGER, SUSANNA CAROLINA 2,965,347
BERGERFURTH, DENNIS 2,982,414
BERGH SPECIAL PRODUCTS BV 2,983,170
BERGMANN, ANDREAS 2,983,542
BERLIN, MARK REINHARD 2,983,701
BERMAN, PHILLIP J. 2,982,924
BERMAN, ROBERT M. 2,967,659
BERMAN, ROBERT M. 2,967,662
BERNHARD, KAY 2,981,194
BERNHARD, KAY 2,981,221
BERNINI, MARISTELLA 2,981,601
BERNREITNER, KLAUS 2,983,900

BERRY PLASTICS CORPORATION 2,983,334
BERRY, DAVID H. 2,983,589
BERTHIAUD, MICHEL 2,983,704
BERTIN, PAUL 2,980,924
BERTRAND, CLAUDE 2,983,775
BESIRLI, CAGRI GIRAY 2,980,936
BESSETTE, LUC 2,983,466
BEST SWING ONE, LLC 2,982,768
BETANCORT, JUAN MANUEL 2,983,446
BETH ISRAEL DEACONESS MEDICAL CENTER, INC. 2,980,339
BEYER, CHARLES J. 2,983,767
BHAN, OPINDER KISHAN 2,966,629
BHARDWAJ, VIVEKANAND 2,967,738
BHASIN, SWATI 2,983,918
BHATTA, PALLAVI 2,983,770
BHINGE, SANTOSH VENKATESH 2,983,645
BIANCHI, ERNESTO GABRIEL 2,980,148
BIC-VIOLEX SA 2,980,791
BIERLMAIER, STEPHEN J. 2,967,828
BIG DNA LTD 2,966,288
BIG MOON POWER, INC. 2,983,451
BIGLARI, SARDAR 2,979,799
BIITTIG, RICKY 2,964,964
BILLGREN, JENS J. 2,983,041
BILODEAU, MICHAEL 2,983,443
BINI, ROBERTO 2,983,902
BIOGEN MA INC. 2,967,619
BIOGEN MA INC. 2,967,645
BIOGEN MA INC. 2,967,647
BIOHAVEN PHARMACEUTICAL HOLDING COMPANY LTD. 2,967,659
BIOHAVEN PHARMACEUTICAL HOLDING COMPANY LTD. 2,967,662
BIOMET MANUFACTURING, LLC 2,983,488
BIOMET MANUFACTURING, LLC 2,983,650
BIOSAFE S.A. 2,982,894
BIRKETVEDT, GRETHE STOA 2,983,823
BISHOP, COREY J. 2,981,742
BISHT, NARENDRA SINGH 2,983,645
BISMILLA, YUSUF 2,956,230
BKON CONNECT, INC. 2,980,498
BLAIS, PHILIPPE 2,983,656
BLANCHARD, DARIAN 2,983,806
BLAND, DAVID G. 2,981,362
BLANZ, CHRIS 2,980,498
BLAST MOTION, INC. 2,983,574
BLISS, WILLIAM J. 2,983,288
BLODGETT, LYNN 2,983,451
BLOT-CHABAUD, MARCEL 2,983,365
BLOTTIAU, OLIVIER 2,983,661
BLUMBERG, RICHARD 2,983,794
BLUMBERG, RICHARD S. 2,983,796
BLY IP INC. 2,983,915
BOARD OF REGENTS OF THE NEVADA SYSTEM OF HIGHER EDUCATION, ON BEHALF OF THE UNIVERSITY OF NEVADA, RENO 2,983,732
BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA 2,967,468
BOCTOR, EMAD MIKHAIL 2,983,145
BOD, FRANK 2,983,170
BODET, HERVE 2,983,457
BODNER, MICAH 2,983,408
BOEHMER, JUTTA ELISABETH 2,980,824
BOISSON, ALEXANDRE BERNARD MARIE 2,983,968
BOISSON, ALEXANDRE BERNARD MARIE 2,983,970
BOJANOWSKI, BARTOSZ 2,972,620
BOMBARDIER INC. 2,983,082
BONE THERAPEUTICS S.A. 2,983,373
BOOTH, SIMON 2,983,800
BORAGNO, LUCA 2,983,900
BOREALIS AG 2,983,406
BOREALIS AG 2,983,423
BOREALIS AG 2,983,900
BORG, ERIK HELGE 2,983,806
BORGSTROM, LEONARD 2,983,628
BORING, CHARLES 2,966,758
BORMANN, KURT 2,981,325
BORNAL, ADA YESTE 2,980,730
BORSJE, ERIC 2,968,130
BOSE, BHASKAR 2,983,574
BOSMA, DOUGLAS J. 2,983,831
BOSMAN, RIGOBERT 2,983,416
BOTTCHER, OLAF 2,977,855
BOTTGER, FRANK 2,983,544
BOTTLEY, ANDREW 2,980,885
BOUCHER, GINO 2,983,657
BOUMA, ARJEN 2,983,776
BOURGEOIS, MARC RICHARD 2,983,340
BOURGON, RICHARD 2,984,003
BOURQUI, BERTRAND 2,983,685
BOURSIER, BRUNO 2,982,993
BOUSVAROS, GERASIMOS 2,980,791
BOUVIER, SYLVIE 2,983,365
BOUZIDI, LAZIZ 2,984,041
BOWSER, ALAN E., JR. 2,967,971
BOY, KENNETH M. 2,980,147
BOYLE, THOMAS JOHN 2,983,422
BRADSKI, GARY R. 2,983,749
BRANDT SANZ, MIGUEL 2,983,452
BRANNON, HAROLD DEAN 2,980,988
BRATIC, DAMIEN 2,983,043
BRAUN, HERMANN 2,983,900
BRAUON, HAIM 2,982,063
BREBION, RAYMOND 2,983,670
BRENER, EPHRAIM 2,984,088
BRENNAN, THOMAS 2,980,460
BRENNEIS, CHAD 2,980,998
BRENNER, CARMEN 2,983,373
BRIAS, JULIE 2,983,674
BRIET, SOPHIA 2,983,674
BRIGHAM, GRAHAM 2,984,046
BRIGHT, STEWART 2,956,230
BRISTOL-MYERS SQUIBB COMPANY 2,980,147
BRITANNIA ENGINEERING (ISLE OF MAN) LIMITED 2,983,180
BRODDEFALK, JOHAN OLOF 2,983,668
BROGGER, CARSTEN NYGAARD 2,983,757
BROTIER, SEBASTIEN 2,983,383
BROUILLETTE, MARTIN 2,983,655
BROWN III, CARL OSCAR 2,983,394
BROWN, CAL R. 2,983,777
BROWN, MICHAEL Y. 2,983,594
BROWNSTEIN, CARRIE 2,967,820
BRUGGRABER, SYLVAINE FRANCOISE ALINE 2,983,651
BRUN, SONIA 2,965,262
BUCA, PETER 2,983,149
BUCHMANN, MARKUS 2,983,773
BUENO, ARMAND 2,983,187
BUERMANN, MARITA 2,983,892
BUGDAYCI SANSLI, DONE 2,979,075
BUHLER, SEBASTIAN 2,981,194
BUHLER, SEBASTIAN 2,981,221
BUJ BELLO, ANA MARIA 2,983,364
BULLINGTON, JEFF 2,980,168
BUREAU, YANNICK 2,981,648
BURGER, DOUGLAS CHRISTOPHER 2,983,279
BURKE, PAUL 2,980,176
BURNHAM-MARUSICH, AMANDA 2,983,732
BURNS, RYAN 2,983,919
BUROUT, CHARLES J. 2,983,309
BURTON, GRAHAM W. 2,983,791
BUS, EVELINE 2,983,518
BUSH, MATTHEW SANCHEZ 2,980,281
BUTTERFLY NETWORK, INC. 2,983,444
BUTTNER, STEFAN 2,981,099
BUTTS, EMILY 2,983,643
BUYUKTIMKIN, NADIR 2,966,843
BUYUKTIMKIN, SERVET 2,966,843
C&C RESEARCH LABORATORIES 2,966,742
C&C RESEARCH LABORATORIES 2,966,759
CABOT CORPORATION 2,983,470
CABRERA, PABLO ROBERTO MOLINA 2,983,944
CACKOWSKI, SCOTT C. 2,983,369
CADILA HEALTHCARE LIMITED 2,980,847
CALABRO, DAVID CHARLES 2,967,047
CALDWELL, RICHARD D. 2,967,853
CALIFORNIA INSTITUTE OF TECHNOLOGY 2,966,363
CAMBIUM MEDICAL TECHNOLOGIES LLC 2,983,643
CAMERON, PETER 2,984,092
CAMISANI, JULIEN PIERRE 2,982,894
CAMPAGNA, MATTHEW JOHN 2,980,590
CAMPBELL, RONALD P. 2,983,777

CAMPBELL, STUART 2,983,384
CAMPOS, MICHAEL A. 2,980,118
CANFIELD, RAYMOND 2,983,458
CANNABICS PHARMACEUTICALS INC. 2,983,557
CAO, JINGTAI 2,967,432
CAO, WEIQI 2,981,210
CAPPELLINI, PIERLUIGI 2,983,433
CAPRETTO, LORENZO 2,966,592
CARAVANO, AUDREY 2,983,674
CARBERRY, JONATHAN MICHAEL 2,983,689
CARDER, DAVID 2,983,243
CARDILLO, THOMAS M. 2,983,597
CARL FREUDENBERG KG 2,983,382
CARL FREUDENBERG KG 2,983,539
CARLSON, DOUGLAS O. 2,983,690
CARLSON, LAWRENCE 2,983,462
CARLSON, PAUL 2,983,596
CARMAN, PAUL S. 2,980,988
CARON, LESLIE 2,983,332
CARPENTER, MARTY 2,983,916
CARPENTER, WILLIAM 2,977,884
CARRETTA, ROBERTO 2,983,438
CARRETTA, ROBERTO 2,983,442
CARRIERI, DAMIAN 2,983,636
CARROLL, STEPHEN F. 2,980,751
CARTAILLER, LAURENT 2,983,363
CASILLAS, LINDA N. 2,983,414
CASOLA, MARISA 2,983,643
CAVATUR, RAGHU 2,965,237
CAVATUR, RAGHU 2,965,256
CAYRE YVON 2,967,842
CAZAUX, YANNICK 2,983,187
CCS TECHNOLOGY, INC. 2,983,923
CEDENO, DAVID LEONARDO 2,983,582
CELGENE QUANTICEL RESEARCH, INC. 2,983,446
CENTRE HOSPITALIER UNIVERSITAIRE DE NIMES 2,983,365
CENTRE HOSPITALIER UNIVERSITAIRE GRENOBLE 2,981,570
CEPHALON, INC. 2,967,828
CEREPI, ADRIAN 2,983,775
CGG SERVICES SA 2,983,957
CHABOT, ALAIN 2,983,949
CHANDRA, OMEED 2,983,098
CHANDRASEKARAN, NIRUPAMA 2,983,124
CHANG, CHIEN-HSING 2,983,456
CHARATI, SANJAY GURBASAPPA 2,983,473
CHARITOS, ALEXANDROS 2,983,773
CHARVAT, GREGORY L. 2,983,448
CHASSET, SOPHIE 2,983,674
CHEMOKIND, INC. 2,983,822
CHEN, CHI-KUANG 2,983,394
CHEN, JEFFREY 2,983,361
CHEN, JEROME CHIN LUNG 2,983,564
CHEN, JUNYU 2,983,702
CHEN, KE 2,983,746
CHEN, KEVIN 2,965,237
CHEN, KEVIN 2,965,256
CHEN, MINGYU 2,983,479
CHEN, SEAN 2,976,573
CHEN, SHUHUI 2,983,481
CHEN, WANSHI 2,978,958
CHEN, WANSHI 2,980,344
CHEN, WEN-LI A. 2,981,362
CHEN, XIAO-GUANG 2,983,948
CHEN, XIAODI 2,967,867
CHEN, XIN 2,983,819
CHEN, YING 2,980,960
CHEN, YVONNE MAN-YEE 2,966,362
CHENG, ALEXANDER M. 2,980,160
CHENG, YUTING 2,983,604
CHENILLO, SAMUEL 2,983,741
CHERIAN, GEORGE 2,980,467
CHERIAN, GEORGE 2,980,674
CHERIAN, GEORGE 2,980,675
CHERTOV, OLEG 2,983,927
CHEUNG, AARON YU LAI 2,956,230
CHEUNG, JEANNE 2,967,368
CHEVREUIL, FRANCIS 2,983,674
CHEVRON U.S.A. INC. 2,966,402
CHEVRON U.S.A. INC. 2,966,404
CHEVRON U.S.A. INC. 2,983,112
CHEW, DANIEL JOHN 2,983,652
CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD. 2,983,475
CHIDAMBARAN, RAVI 2,983,645
CHIEN, DU-SHIENG 2,983,769
CHINTINNE, MATHIAS 2,981,243
CHIOU, HERBERT CLARK 2,981,440
CHIVUKULA, PADMANABH 2,968,060
CHOI, JONG-ILL 2,983,099
CHOI, JONG-ILL 2,983,106
CHOI, JUNG SUN 2,980,890
CHOMONTOWSKI, CHRYSTIAN 2,980,870
CHONG, JONATHAN WUN SHIUNG 2,980,731
CHOPARD, FABRICE 2,981,655
CHOU, HUNG-LIANG 2,982,683
CHOU, TOMY M. 2,983,072
CHOUDRY, MUHAMMAD UMAR 2,983,797
CHOWDHURY, ASHFAQUL ISLAM 2,983,422
CHR. HANSEN NATURAL COLORS A/S 2,983,545
CHRISTENSEN, GREGORY LEE 2,981,481
CHRISTENSEN, LARS L. H. 2,980,836
CHRISTIANSEN, PIERS 2,983,442
CHRISTIANSEN, SEAN 2,980,168
CHU, FELIX 2,966,523
CHU, YI-WEN 2,983,769
CHUNG, TIEN-KUEN 2,983,394
CHURCHILL DRILLING TOOLS LIMITED 2,983,787
CHURCHILL DRILLING TOOLS LIMITED 2,983,897
CHURCHILL, ANDREW PHILIP 2,983,787
CHURCHILL, ANDREW PHILIP 2,983,897
CIHOLAS, MIKE E. 2,980,587
CINQUIN, PHILIPPE 2,981,570
CIVITAS THERAPEUTICS, INC. 2,966,637
CL PRODUCTS INTERNATIONAL, LLC 2,980,738
CLAES, PIETER ISABELLE ROGER 2,983,342
CLARE, BENJAMIN JACOB 2,983,340
CLARIANT INTERNATIONAL LTD 2,981,370
CLARK EQUIPMENT COMPANY 2,983,899
CLARK EQUIPMENT COMPANY 2,983,901
CLARK EQUIPMENT COMPANY 2,983,916
CLARK EQUIPMENT COMPANY 2,983,921
CLARK, ALASTAIR 2,964,304
CLARK, EWAN MCINTOSH 2,966,288
CLARKE, PHILIP 2,980,885
CLARKE, RONALD C. 2,983,914
CLARKE, THEIS 2,983,470
CLEAR GUIDE MEDICAL, INC. 2,983,145
CLYSAR LLC 2,981,325
CMD CORPORATION 2,982,830
CODEXIS, INC. 2,983,620
COGNITIVE SYSTEMS CORP. 2,983,335
COHEN, AVI 2,983,958
COHEN, JEANNE 2,983,747
COLAS 2,983,516
COLLIARD, SOPHIE 2,983,679
COLLIS, ANDREW 2,983,073
COLOMBO MOTTAZ, SARA 2,983,685
COMPOSITE TECHNOLOGY AND APPLICATIONS LIMITED 2,983,063
COMPOSITE TECHNOLOGY AND APPLICATIONS LIMITED 2,983,065
COMPOSITE TECHNOLOGY AND APPLICATIONS LIMITED 2,983,070
COMPOSITE TECHNOLOGY AND APPLICATIONS LIMITED 2,983,073
CONCERT PHARMACEUTICALS, INC. 2,981,791
CONMED CORPORATION 2,981,610
CONRAD, CHRIS 2,966,334
CONRAD, CHRIS 2,966,356
CONRAD, CHRIS 2,966,359
CONSORT MEDICAL PLC 2,983,100
CONSORT MEDICAL PLC 2,983,103
CONSTANTIA HUECK FOLIEN GMBH & CO. KG 2,981,099
CONTINENTAL AUTOMOTIVE GMBH 2,983,558
CONTRERAS ESPADA, JESUS 2,983,631
COOK, AUSTIN JAMES 2,983,689
COOK, GEORGE MICHAEL 2,983,095

COOK, GEORGE MICHAEL 2,983,097
COOK, GRANT O., III 2,982,940
COOK, GRANT O., III 2,983,113
COOK, JONATHAN EDWARD 2,983,095
COOK, JONATHAN EDWARD 2,983,097
COOK, MICHAEL KEVIN 2,983,095
COOK, MICHAEL KEVIN 2,983,097
COOMBS, JASON R. 2,983,899
COPLAND, IAN B. (DECEASED) 2,983,643
CORIC, VLADIMIR 2,967,659
CORIC, VLADIMIR 2,967,662
CORNEILLE, JEROME 2,981,976
CORPAK MEDSYSTEMS, INC. 2,983,615
COSS, CHRISTOPHER C. 2,983,403
COSS, CHRISTOPHER C. 2,983,426
COUPLAND, DUNCAN 2,982,692
COURCAMBECK, JEROME 2,965,262
COURCHENE, CHARLES E. 2,976,332
COURTNEY, AMY N. 2,983,434
COVESTRO DEUTSCHLAND AG 2,983,367
COVESTRO DEUTSCHLAND AG 2,983,561
COVIDIEN LP 2,982,855
COWAN, KEVIN P. 2,983,589
COWLEY, ROBERT GUY 2,983,630
CREGER, CARLYLE J. 2,980,760
CREIGHTON, JASON TIMOTHY 2,983,286
CROCKER, DAVID SCOTT 2,983,470
CROCKETT, RICHARD 2,980,960
CROSS, SOPHIE 2,982,858
CROSSFORD INTERNATIONAL, LLC 2,983,369
CROSSLEY, KEVIN 2,980,960
CROUCH, JUSTIN BLAKE 2,982,949
CRVENKOVIC, NIKOLA 2,983,891
CUI, LONGLAN 2,983,702
CUI, SHENG 2,980,960
CUI, WEI 2,983,702
CUI, ZEHAN 2,983,479
CUJO LLC 2,983,429
CURRY, PETER 2,983,180
CURTIN UNIVERSITY 2,980,342
CYPHERING INC. 2,984,023
D'ALESSIO-DOUCET, JULIEN 2,983,944
DAGHER, HABIB J. 2,983,616
DAI NIPPON PRINTING CO., LTD. 2,983,398
DAIICHI SANKYO COMPANY, LIMITED 2,983,788
DAJNKO, MARJAN 2,983,463
DALE, JASON 2,983,251
DALEMANS, WILFRIED 2,983,950
DALTON, JAMES T. 2,983,403
DALTON, JAMES T. 2,983,426
DAMNJANOVIC, ALEKSANDAR 2,979,071
DAMNJANOVIC, ALEKSANDAR 2,979,073
DANA-FARBER CANCER INSTITUTE, INC. 2,967,842
DANIEL MEASUREMENT AND CONTROL, INC. 2,982,949
DANISKI, JOSEPH A. 2,983,096
DANISKI, JOSEPH A. 2,983,310
DAROSZEWSKI, JANUSZ 2,983,791
DARST RICE, MARK 2,983,401
DATTILO, VINCENT P. 2,983,767
DAVE, EMMA 2,983,770
DAVEY, ALAN 2,982,969
DAVIDSON, ERIC ALAN 2,983,592
DAVIE, REBECCA LOUISE 2,967,737
DAVIE, REBECCA LOUISE 2,967,894
DAVIS, SAMUEL 2,967,820
DAWES, DIANA 2,983,562
DAWES, MARTIN 2,983,562
DE BOER, DOEDE 2,980,673
DE BOER, THOMAS 2,983,644
DE GAILLARD, THOMAS ALAIN 2,983,970
DE GRAAF, CORNELIS PIETER WILHELMUS 2,983,556
DE JONGE, WOUTER JACOB 2,983,652
DE LA ROSA, OLGA 2,983,950
DE RICCARDIS, ANDREA 2,983,238
DE WAAL, PAULUS PETRUS 2,983,776
DE WACHTER, MAXIM MARIA PAUL 2,983,342
DE, SAMIRAN 2,981,440
DECESARE, MICHAEL J. 2,981,610
DECKER, CHRISTIAN J. 2,983,767
DECROOS, KAREL 2,980,960
DEJONGE, BOUDEWIJN LODEWIJK MARIA 2,966,632
DEKA, UPAKUL 2,983,518
DEKAMO, SHINGO 2,983,686
DEL ROSARIO, DIEGO BACA 2,983,288
DELBRUGGE, VINCE 2,983,589
DELMAS, MARC 2,981,976
DELTOUR, ELODIE 2,983,373
DELUKE, LEVI 2,983,613
DEMAIO, PIETRO ROCCO 2,983,692
DEMERX, INC. 2,983,727
DENG, SHIMIN 2,983,533
DENKER, JANA 2,983,485
DENKER, JANA 2,983,499
DENKER, JANA 2,983,634
DENKER, JANA 2,983,638
DENKER, JANA 2,983,640
DENKER, JANA 2,983,642
DENKER, JANA 2,983,648
DENNIS, MARK S. 2,966,362
DENOLF, PETER 2,983,893
DENTSPLY SIRONA INC. 2,981,062
DEPUY IRELAND UNLIMITED COMPANY 2,983,781
DERMEL, MARIUS 2,983,717
DERMOSESSIAN, ALEX 2,983,618
DERMOSESSIAN, GARO 2,983,618
DERMOSESSIAN, RAPHAEL 2,983,618
DESAULNIERS, PIERRE 2,983,656
DESHPANDE, MANGESH 2,983,286
DESPAIN, STEVEN S. 2,983,396
DESSON, TIMOTHY ROBERT 2,980,824
DETERRE, MARTIN 2,983,355
DETERRE, MARTIN 2,983,360
DEUTSCHER, EDWARD 2,983,825
DEVANUR, DEEPIKA 2,965,165
DEVANUR, DEEPIKA 2,965,172
DEWA, HARUTADA 2,984,098
DH TECHNOLOGIES DEVELOPMENT PTE. LTD. 2,967,769
DHURIA, NEENA 2,983,745
DI GIORGIO, PATRICK 2,983,782
DI SERIO, EMILE THOMAS 2,981,374
DIAZ, CODY 2,980,722
DIAZ, LUIS 2,980,292
DIBROV, ELENA 2,983,460
DIBROV, PAVEL 2,983,460
DIEPENBROCK, VERA 2,983,892
DIERKES, FRANK 2,983,384
DIGNAT-GEORGE, FRANCOISE 2,983,365
DILLE, MARK C. 2,982,835
DING, GANG 2,980,674
DING, GANG 2,980,675
DION, STEVEN 2,983,655
DIPLAS, ATHANASSIOS 2,983,439
DISTEL, ROBERT J. 2,967,842
DITULLIO, DANIEL DALE, JR. 2,981,620
DIVECHA, ANIKET DEEPAK 2,980,583
DIXON, JENNIFER 2,983,747
DOBRZYNSKI, WLODZIMIERZ PIOTR 2,966,314
DOKTER, JANNES 2,980,107
DONNELLY, PAUL STEPHEN 2,983,459
DOORSCHODT, BENEDICT MARIE 2,981,588
DORE, JOEL 2,983,194
DORONY, CONNOR M. 2,983,777
DOSDAT, LAURENCE 2,981,567
DOSHI, DHAVAL 2,983,470
DOUGLAS, HUGH 2,983,107
DOUGLASS, JACKIE 2,980,292
DOVE, WILLIAM FRANKLIN 2,967,867
DOW GLOBAL TECHNOLOGIES LLC 2,982,510
DOW GLOBAL TECHNOLOGIES LLC 2,983,702
DOWNES, MICHAEL 2,983,268
DOWNIE, SIMON 2,982,819
DOYLE, JEREMY A. 2,983,433
DOYON, JULIEN GEORGES PIERRE-OLIVIER 2,983,342
DRANEY, DANIEL R. 2,964,963
DRESSER, INC. 2,982,593
DRUG DELIVERY INTERNATIONAL LTD 2,967,738
DRZYMALA, MARK E. 2,983,119
DSM IP ASSETS B.V. 2,983,416
DSM IP ASSETS N.V. 2,983,776
DUARTE, IRIS 2,981,100
DUBRAY, CLARISSE 2,965,262
DUBUQUE, SHAUN 2,980,160
DUCKWORTH, JASON 2,983,116
DUDIK, DAVID C. 2,983,422
DUESENFELD GMBH 2,983,768
DUFOUR, BRUNO 2,981,648

DUFOUR, BRUNO 2,981,655
DUKE, CHARLES B. 2,983,403
DUKE, CHARLES B. 2,983,426
DUPERRAY, LIONEL 2,981,374
DUPPONG, GERALD J. 2,983,901
DURAND-REVILLE, THOMAS FRANCOIS 2,966,632
DURANTET, CAROLE 2,983,565
DURFEE, EILEEN LOUISE 2,983,705
DUTZAR, BENJAMIN H. 2,983,041
DWYER, MARK 2,983,616
DYNAMIC SOLAR SYSTEMS AG 2,977,858
DYNAMIC SOLAR SYSTEMS AG 2,977,863
E-FLUX, LLC 2,983,602
EATON, BRADLEY W. 2,980,735
EAVENSON, JIMMY N., SR. 2,983,588
EBACHER, MARIO 2,983,657
EBED HOLDINGS INC. 2,983,830
EBENS, ALLEN J., JR. 2,966,362
EDER, YEHUDA 2,983,912
EDWARDS, HANNAH JOY 2,967,737
EDWARDS, HANNAH JOY 2,967,894
EDWARDS, JEFFREY 2,983,609
EDWARDS, STEPHEN 2,979,053
EDWARDS, STEPHEN 2,979,054
EFRAT, TOMER 2,982,582
EGASHIRA, KAZUHIRO 2,983,569
EGGINK, LAURA L. 2,983,666
EHRNSPERGER, BRUNO JOHANNES 2,980,148
EIJSBOUTS-SPICKOVA, SONJA 2,983,518
EIKANAS, BRENT 2,980,118
EILERS, DANIEL J. 2,983,255
EITAN, ALECSANDER 2,979,050
EKSTROM, PER 2,983,358
EKVALL, CRAIG A. 2,983,002
EL ICHI, SARRA 2,981,570
ELAGIN, ANDREY ALEKSANDROVICH 2,983,432
ELAHI, EHTSHAM 2,980,326
ELBIT SYSTEMS LAND AND C4I LTD. 2,983,912
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE 2,977,623
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE 2,977,627
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE 2,977,628
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE 2,977,629
ELETR, SAM 2,983,771
ELEVANCE RENEWABLE SCIENCES, INC. 2,980,924
ELI LILLY AND COMPANY 2,981,115
ELIIY POWER CO., LTD. 2,984,096
ELIOT, LISE 2,983,609
ELITZIN, VASSIL 2,964,963
ELKINGTON, BEN 2,982,969
ELLIS, JAMES LAMOND 2,968,029
ELLIS, JAMES LAMOND 2,968,030
ELLIS, JAMES LAMOND 2,968,032
ELTOUKHY, HELMY 2,983,833
ELVESJO, JOHN 2,983,015
EMERITI PHARMA AB 2,967,268
EMES, MICHAEL 2,984,016
EMTENAS, HANS FREDRIK 2,983,668
ENGENES BIOTECH GMBH 2,983,894
ENTASIS THERAPEUTICS LIMITED 2,966,632
ENYART, JEFF 2,983,243
ERNEWEIN, KYLE JOHN 2,983,797
ERSHADI, MEHDI AREZOOMAND 2,983,461
ESIGHT CORP. 2,983,461
EUROIMMUN MEDIZINISCHE LABORDIAGNOSTIKA AG 2,983,467
EVANS, DAVID MICHAEL 2,967,737
EVANS, DAVID MICHAEL 2,967,894
EVANS, KAREN ANDERSON 2,968,029
EVANS, KAREN ANDERSON 2,968,030
EVANS, KAREN ANDERSON 2,968,032
EVANS, ROBERT 2,967,602
EVANS, RONALD M. 2,983,268
EVENSEN, OYSTEIN 2,980,982
EVONIK DEGUSSA GMBH 2,981,747
EVONIK DEGUSSA GMBH 2,983,701
EVONIK ROHM GMBH 2,981,194
EVONIK ROHM GMBH 2,981,221
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY 2,966,887
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY 2,967,047
EZ-ENERGIES GMBH 2,983,238
F. HOFFMANN-LA ROCHE AG 2,983,351
F. HOFFMANN-LA ROCHE AG 2,983,408
F. HOFFMANN-LA ROCHE AG 2,983,549
F. HOFFMANN-LA ROCHE AG 2,983,782
F. HOFFMANN-LA ROCHE AG 2,983,908
FACCIOLI, GIOVANNI 2,981,701
FACEBOOK, INC. 2,980,273
FACEBOOK, INC. 2,980,281
FACEBOOK, INC. 2,980,719
FAGERLUND, ALLEN C. 2,983,255
FAHY, WILLIAM ANTHONY 2,981,631
FAIVRE, FABIEN 2,983,674
FALCK, PETER 2,983,939
FAMM, HANS JAKOB KRISTOFFER 2,983,652
FAN, LILI 2,983,481
FAN, PEI 2,983,041
FAN, XIAOLIN 2,982,683
FARIA, NUNO JORGE RODRIGUES 2,983,651
FARRELL, DAVID J. 2,982,591
FASETTO, LLC 2,979,043
FAZ TECHNOLOGY LIMITED 2,983,690
FEDERHEN, STEFAN 2,983,338
FELIX, FABIO 2,983,392
FENG, CHANG-DONG 2,979,723
FENTON, AISH 2,980,326
FERGUSON, ANDREW M. 2,983,253
FERGUSON, ANDREW M. 2,983,807
FERNANDES, EARLENCE TEZROYD 2,983,279
FEX, TOMAS 2,967,268
FIELD, DANIEL W. 2,983,494
FIELD, DANIEL W. 2,983,497
FINE, GREGG 2,984,003
FINKEN, KNUD HELLEK 2,983,757
FIORINI, PAOLO 2,983,482
FIREBOX OUTDOORS LLP 2,983,396
FIRKSER, STEPHEN 2,983,049
FIRST QUALITY BABY PRODUCTS, LLC 2,983,433
FISHER CONTROLS INTERNATIONAL LLC 2,983,255
FISHER CONTROLS INTERNATIONAL LLC 2,983,258
FISHER CONTROLS INTERNATIONAL LLC 2,983,491
FISHER, MICHAEL 2,983,806
FITZPATRICK, IAN 2,983,622
FIVE PRIME THERAPEUTICS, INC. 2,980,460
FLIGHT PATH IP LIMITED 2,983,251
FLORIN-ROBERTSSON, EBBA 2,983,783
FLOWONIX MEDICAL INCORPORATED 2,980,176
FLOWSERVE MANAGEMENT COMPANY 2,983,772
FLSMIDTH A/S 2,983,878
FLUID HANDLING LLC 2,983,298
FOLEY, STEPHEN 2,983,350
FOLEY, STEPHEN 2,983,353
FONSECA, TIAGO 2,981,100
FONTAINE ENGINEERING UND MASCHINEN GMBH 2,983,904
FONTAINE, DOMINIQUE 2,983,904
FONTAINE, LOIC 2,984,076
FONTAINE, MARC 2,983,354
FONTAINE, PASCAL 2,983,904
FORD, PAUL 2,983,198
FOREMAN, ODED 2,966,523
FORM ROLL TECH CO., LTD. 2,984,100
FORNETIX LLC 2,979,053
FORNETIX LLC 2,979,054
FOROUGHI, PEZHMAN 2,983,145
FORTUNE MFG. CO., LTD. 2,983,564
FORUM US, INC. 2,982,835
FOSBEL, INC. 2,967,971
FOUST, KEVIN 2,967,468
FOX, RYAN MICHAEL 2,968,029
FOX, RYAN MICHAEL 2,968,030
FOX, RYAN MICHAEL 2,968,032
FOX-RABINOVICH, GERMAN 2,983,720
FRANJIC, KRESIMIR 2,956,230
FRANKEL, OLIVER 2,983,439
FRANKLIN, ALEXANDER SALEM 2,980,273
FRANSSON, JONAS 2,983,783
FRANTZ, ERIC BENJAMIN 2,980,449

FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUND DER ANGEWANDTEN FORSCHUNG E.V. 2,983,813
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 2,980,973
FRAYMAN, YURI 2,983,429
FREASE, JENNINE 2,977,884
FRED HUTCHINSON CANCER RESEARCH CENTER 2,965,347
FREIJE, ZACHARY AARON 2,980,145
FREIJE, ZACHARY AARON 2,980,146
FRIES4ALL B.V. 2,980,107
FROGNESS, HARLOW 2,983,766
FROST, GEORGE W. 2,982,919
FROST, GEORGE W. 2,982,921
FROST, GEORGE W. 2,982,939
FUJII, MAO 2,983,812
FUJII, YASUHIKO 2,983,721
FUJIMURA, KOUTARO 2,983,989
FUKATSU, DAISUKE 2,983,788
FUKUDA, HIROSHI 2,983,691
FULGHUM, TIMOTHY MICHAEL 2,968,104
FULLERINGER, BENJAMIN 2,983,187
FUNKHOUSER, GARY P. 2,983,253
FURUYA, NOBUHIRO 2,983,577
FUSION MUSICTECH IP PTY LTD 2,983,603
FVG LIMITED 2,980,982
GAAL, PETER 2,978,958
GAAL, PETER 2,980,344
GADELRAB, SERAG MONIER 2,983,797
GADELRAB, SERAG MONIER 2,983,800
GAGNE, CARL 2,983,949
GAIA, MARIO 2,983,902
GAILLARD, PIETER JAAP 2,983,358
GAJDA, WILLIAM GEORGE, JR. 2,983,046
GALAFFU, NICOLA 2,983,685
GALANIE, STEPHANIE 2,983,445
GALAPAGOS NV 2,983,342
GALE, JONATHAN B. 2,983,600
GALECTO BIOTECH AB 2,983,198
GALLAGHER, BOBBY JAMES 2,984,011
GALLO, EMANUELA 2,983,923
GALVANI BIOELECTRONICS LIMITED 2,983,652
GAMET, OLIVIER 2,981,628
GAMON, MICHAEL 2,983,124
GANDHI, AMIT 2,983,794
GANDHI, NAMITA A. 2,967,602
GAO, NAN 2,980,836
GARCIA, BRUNO 2,983,775
GARCIA-MARTINEZ, LEON 2,983,041
GARDINI, LUCA 2,980,253
GARLOCK PIPELINE TECHNOLOGIES, INC. 2,983,579
GARMOR, INC. 2,980,168
GAROIS, NICOLAS 2,981,655
GARRISON, MICHI E. 2,983,072
GARSON, DAN 2,983,100
GASS, JENNIFER L. 2,983,551
GASSARA, FATMA 2,983,624
GATES CORPORATION 2,983,031
GAUDIER KUPPEL GROUP SARL 2,982,216
GAYLE, SOPHIA 2,966,334
GAYLE, SOPHIA 2,966,356
GAYLE, SOPHIA 2,966,359
GE LIGHTING SOLUTIONS, LLC 2,983,422
GEBBEKEN, MARTIN 2,982,414
GEENEN, CHARLES 2,981,243
GEIGER, JURGEN 2,983,471
GEILLERSDORFER, INGO 2,981,099
GEISSLER, ANJA 2,983,485
GEISSLER, ANJA 2,983,499
GEISSLER, ANJA 2,983,634
GEISSLER, ANJA 2,983,638
GEISSLER, ANJA 2,983,640
GEISSLER, ANJA 2,983,642
GEISSLER, ANJA 2,983,648
GEKKIEVA, MARGARITA 2,966,646
GELORMINI, ANN 2,983,995
GENEA IP HOLDINGS PTY LTD 2,983,332
GENENTECH, INC. 2,966,362
GENENTECH, INC. 2,966,523
GENENTECH, INC. 2,967,368
GENENTECH, INC. 2,984,003
GENERAL ELECTRIC COMPANY 2,977,788
GENERAL ELECTRIC TECHNOLOGY GMBH 2,980,553
GENERAL ELECTRIC TECHNOLOGY GMBH 2,983,370
GENETHON 2,983,364
GENIESER, HANS-GOTTFRIED 2,983,358
GENOSCIENCE PHARMA 2,965,262
GEO-POLAND SP. Z.O.O. 2,966,314
GEORGE-SVAHN, ERLAND 2,983,015
GERAATS, MARCEL 2,982,414
GESTNER, ROBERT E. 2,982,919
GEUMEZ, GILLES JEAN 2,983,348
GHARIB, HOSSAM MOHAMED 2,983,662
GHEGADMAL, TEJAS J. 2,983,793
GHOTBI, NIKROUZ 2,983,109
GHOTBI, NIKROUZ 2,983,124
GIANNINO, VIVIANA 2,980,847
GIBLER, MARTIN J. 2,983,589
GILES, CORLES ANDRE 2,984,091
GILLEN, ROBERT J. 2,983,243
GILLEN, ROBERT J. 2,983,247
GILLIS, ERIC P. 2,980,147
GIMAT, MATTHIEU ARNAUD 2,983,968
GIMAT, MATTHIEU ARNAUD 2,983,970
GIMSA S.R.L. 2,980,809
GIORDANO, JOSEPH D. 2,983,119
GIOVANNI, SARA LYN 2,980,145
GIOVANNI, SARA LYN 2,980,146
GIUBERCHIO, CARLO 2,983,647
GIUSTI, MARTINA 2,980,809
GIUSTI, STEFANO 2,980,809
GIYANANI, JAYA 2,967,413
GLAXOSMITHKLINE BIOLOGICALS SA 2,967,248
GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED 2,967,184
GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED 2,967,185
GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED 2,967,195
GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED 2,968,029
GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED 2,968,030
GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO.2) LIMITED 2,968,032
GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED 2,983,414
GLEESON, JAMES WILLIAM 2,967,047
GLUECK, REINHARD 2,980,847
GMEL, GERRIT EDUARD 2,983,333
GMEL, GERRIT EDUARD 2,983,336
GNASIENCO, RADU 2,983,947
GOBLE, E. MARLOWE 2,980,760
GODFREY, MATTHEW 2,980,722
GODON, THIERRY 2,983,673
GOLDA, GEORGE STEFAN 2,983,771
GOLDENBERG, DAVID M. 2,983,456
GOLDENBERG, DAVID M. 2,983,597
GOLDENBERG, DAVID M. 2,983,600
GOLE, DILIP 2,981,601
GOLIAS, MATTHEW ERNEST 2,983,606
GOLNARAGHI, FARID 2,983,860
GOLTZ, H. ROBERT 2,982,510
GOMAA, AHMED ABDELSHAFY MAHMOUD 2,983,874
GONZALEZ, DAVID 2,981,610
GONZALEZ, JOSE RAFAEL 2,983,811
GOODING, PHILLIP H. 2,980,118
GOODRICH, LAUREN 2,983,549
GOOR, JAN 2,983,565
GORE, ANURADHA V. 2,967,413
GOREE, JOHN 2,983,574
GORIS, DIRK 2,981,243
GOTCH, JAMES E. 2,983,777
GOTO, NAOKI 2,983,790
GOTO, SHINYA 2,983,585
GOTO, TAKUYA 2,983,725
GOTZEN, CHRISTIAN 2,982,414

GOVINDAN, SERENGULAM V. 2,983,600
GOYENECHE, SERGIO F. 2,983,867
GP CELLULOSE GMBH 2,976,332
GPCP IP HOLDINGS LLC 2,982,683
GRABAWSKA, ANNA 2,980,885
GRABHERR, REINGARD 2,983,894
GRACO MINNESOTA INC. 2,983,096
GRACO MINNESOTA INC. 2,983,310
GRADLE, RICHARD J. 2,983,772
GRANBERG, KENNETH LARS 2,983,668
GRANDPAD, INC. 2,983,919
GRANGER, DAVID BRADLEY 2,983,036
GRAPHIC PACKAGING INTERNATIONAL, INC. 2,983,028
GRATTON, STEPHANE 2,983,657
GRAVELLE, SCOTT 2,983,630
GRAVES, RICHARD C. 2,980,498
GRAWE, JAN 2,983,622
GRAY, JOHN T. 2,983,593
GRAY, JULIAN STUART 2,982,688
GREEN, JORDAN 2,981,742
GREEN, MARTIN C. 2,983,470
GREFENSTEIN, ACHIM 2,981,099
GREGOREVIC, PAUL 2,983,808
GRENNINGLOH, ROLAND 2,967,853
GRIDMESH ANCHOR PTY LTD 2,984,015
GRIFFIN, DAVID A. 2,967,047
GRIMM, RUSSELL A. 2,980,738
GRIS, JEAN-CHRISTOPHE RAYMOND 2,983,365
GRON, JAN 2,983,478
GROOME, CAMERON L. 2,983,791
GROSCHE, PETER 2,983,471
GROSSMAN, JAMES 2,983,494
GROSSMAN, JAMES 2,983,497
GROVE, DONALD W. 2,983,420
GRUENENTHAL GMBH 2,983,499
GRUNENTHAL GMBH 2,983,485
GRUNENTHAL GMBH 2,983,634
GRUNENTHAL GMBH 2,983,638
GRUNENTHAL GMBH 2,983,640
GRUNENTHAL GMBH 2,983,642
GRUNENTHAL GMBH 2,983,648
GRUNTHALER, ANDREAS 2,982,953
GTX, INC. 2,983,403
GTX, INC. 2,983,426
GUADAGNO, PHILIP 2,965,165
GUADAGNO, PHILIP 2,965,172
GUANGZHOU YIDAO HULIANWANG CO., LTD. 2,983,969
GUARDANT HEALTH, INC. 2,983,833
GUBO, ROBERT 2,983,406
GUILLOT, BAPTISTE 2,983,552
GULOTTA, LAWRENCE 2,983,650
GUNNERSON, KORY ADAM 2,983,340
GUNTHER, THOMAS 2,981,747
GUNTNER, JOCHEN 2,983,773
GUO, QIONGYU 2,981,742
GUPTA, ABHISHEK 2,981,440
GUPTA, D.V. SATYANARAYANA 2,980,988
GUPTA, GAURAV 2,980,847
GUPTA, HIMANSHU 2,967,047
GUPTA, MANISH KUMAR 2,981,601
GUPTA, PIYUSH 2,983,574
GUR, PETRA 2,983,763
GURER, CAGAN 2,980,771
GUSEV, ALEKSANDR OLEGOVICH 2,983,583
GUSTAFSSON, NILS DAVID 2,967,268
GUTH, JOEL 2,983,929
GUTH, PAUL W. 2,983,929
GYORI, MARTON 2,983,654
GYSIN, STEPHAN 2,983,927
H. LUNDBECK A/S 2,983,563
HA, HENGXU 2,983,370
HAAVISTO, SANNA 2,983,484
HABER, ELRAN 2,984,088
HABEYCH NARVAEZ, EDWIN ALBERTO 2,983,685
HABIB, NABEEL S. 2,983,101
HABIB, ROBERT 2,980,975
HACKNEY, ROBERT STEVEN 2,983,872
HAE YANG BOKLUBALJERN, LP 2,983,815
HAFFNER, RICHARD J. 2,982,919
HAFFNER, RICHARD J. 2,982,921
HAFFNER, RICHARD J. 2,982,939
HAGELL, DONALD 2,983,864
HAGEN, JAN 2,981,124
HAGER, GREGORY DONALD 2,983,145
HAGIAGE, MARC 2,982,216
HAHN, NORBERT 2,983,367
HAIDUKEWYCH, GEORGE J. 2,983,664
HAINZL, RICHARD 2,983,015
HAJEK, RONALD E. 2,983,028
HALDOR TOPSOE A/S 2,983,397
HALFON, PHILIPPE 2,965,262
HALLIBURTON ENERGY SERVICES, INC. 2,980,449
HALLIBURTON ENERGY SERVICES, INC. 2,980,715
HALLIBURTON ENERGY SERVICES, INC. 2,980,855
HALLIBURTON ENERGY SERVICES, INC. 2,980,856
HALLIBURTON ENERGY SERVICES, INC. 2,980,998
HALLIBURTON ENERGY SERVICES, INC. 2,981,001
HALLIBURTON ENERGY SERVICES, INC. 2,982,933
HALLIBURTON ENERGY SERVICES, INC. 2,982,940
HALLIBURTON ENERGY SERVICES, INC. 2,983,107
HALLIBURTON ENERGY SERVICES, INC. 2,983,113
HALLIBURTON ENERGY SERVICES, INC. 2,983,115
HALLIBURTON ENERGY SERVICES, INC. 2,983,662
HALLIBURTON, JAMES 2,983,245
HALONEN, ANTTI 2,982,499
HALTIWANGER, RALPH C. 2,967,828
HAMAOKA, KOJI 2,983,788
HAMILTON, JENNIFER DAVIDSON 2,967,602
HAMMERSCHMIDT, JORG 2,983,773
HAN, HQ 2,983,440
HANGANU, DAN ALEXANDRU 2,983,371
HANIF, RAZWAN 2,983,537
HANISCH, CHRISTIAN 2,983,768
HANSEN, ANDREW H. 2,983,909
HANSEN, CAMERON C. 2,983,921
HANSEN, RONALD S. 2,983,921
HANUSCHAK, RYAN D. 2,983,637
HARA, TOMITARO 2,984,096
HARBIGE, DAVID 2,983,684
HARBOUN, MICHAEL 2,983,551
HARDY, MICHAEL 2,983,369
HARITON, ILIA 2,982,063
HARLAN, ANDREW 2,979,894
HARLING, JOHN DAVID 2,983,414
HARPER, MICHAEL 2,983,123
HARRIS, JOEL 2,983,337
HARRIS, MICHAEL J. 2,982,925
HARRIS, MICKY 2,979,035
HARRIS, WILLIAM S. 2,965,165
HARVEY, JOHN 2,983,031
HARVEY, TIMOTHY N. 2,980,715
HASBRO, INC. 2,983,046
HASELRIEDER, WOLFGANG 2,983,768
HASHIM, MIR 2,983,337
HASHIMOTO, MOTONORI 2,983,898
HASL, PAUL 2,983,480
HASLETT, PATRICK ANTHONY JOHN 2,967,382
HASSARD, STUART 2,965,165
HASSARD, STUART 2,965,172
HATCH LTD. 2,983,533
HATCH, STEVEN 2,983,100
HAUGEN, GREGORY M. 2,980,735
HAYES, CHRISTOPHER 2,980,885
HE, YALI 2,983,403
HEBERT, STEPHEN J. 2,972,620
HECHT, JUTTA 2,983,614
HECK, MARK 2,983,418
HEDE, HANS 2,983,478
HEGDE, PRITI 2,984,003
HEGEMAN, ADRIAN DANIEL 2,967,867
HEIDELBERGCEMENT AG 2,983,338
HEIN, MITCHELL 2,982,830
HEINNICKEL, MARK 2,983,636
HEINZE, KAREN 2,983,454
HELGESEN, SCOTT E. 2,983,882
HELLENBRAND, CHRISTOPH 2,983,375
HELLENBRAND, CHRISTOPH 2,983,554
HELMHOLTZ ZENTRUM MUENCHEN DEUTSCHES FORSCHUNGSZENTRUM FUER GESUNDHEIT UND UMWELT (GMBH) 2,980,852
HENDRIKSE, JAN 2,983,805
HENDRIX, KATHERINE LEE 2,983,041
HENNESSY, ALAN JOSEPH 2,980,824
HENRY, REBECCA MARIE 2,980,449
HERLAND, ANNA 2,983,821
HERMAN, YARON 2,982,063

HERNANDEZ, MARYLENS 2,966,334
HERT, JEROME 2,983,782
HEUCK, GESINE 2,983,804
HEWITT, AARON 2,980,239
HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. 2,983,810
HEXCEL CORPORATION 2,982,993
HEYWOOD, SAM PHILIP 2,983,537
HEYWOOD, SAM PHILIP 2,983,770
HFI INNOVATION INC. 2,983,881
HIBI, ATSUHIRO 2,983,577
HIEBERT, JEFFREY 2,983,339
HILLEBRAND, TIMO 2,983,619
HILLEBRAND, TIMO 2,983,623
HILLEBRAND, TIMO 2,983,626
HIRAI, KEIICHIRO 2,983,721
HIRAI, MAKOTO 2,983,725
HIRAI, MAKOTO 2,983,790
HIRATA, YASUHIRO 2,983,391
HISTOGEN, INC. 2,983,832
HITE, ITAMAR 2,982,582
HLEBA, YONEK 2,983,592
HO, TSUNG-CHUAN 2,983,962
HO, TSUNG-CHUAN 2,983,977
HOAGLAND, TIMOTHY CHARLES 2,983,733
HOCHI, MOTONORI 2,983,812
HOCHRADL, STEFAN 2,983,406
HODGSON, SIMON TEANBY 2,967,737
HODGSON, SIMON TEANBY 2,967,894
HOEHLE, NEIL F. 2,983,160
HOEL, TIMOTHY 2,983,462
HOESEL, JERET L. 2,983,921
HOFFMAN, STEVEN 2,968,046
HOFFMANN, PABLO 2,983,359
HOGLEN, DEAN K. 2,967,439
HOLIDAY, KYLE 2,984,032
HOLLAND, HERBERT WILLIAM 2,983,827
HOLLAND, WILLIAM RINEHART JR. 2,983,305
HOLLINGER, HERB A. 2,980,587
HOLLISTER INCORPORATED 2,982,591
HOLMAN, NICHOLAS J. 2,983,600
HOLMES, LACHLAN NOEL 2,956,230
HOLMES, REBECCA 2,983,392
HOLOPAINEN, JYRKI 2,982,499
HOLZL, ROLAND 2,983,357
HOM, CLIFFORD 2,983,930
HOMMINGA, JOZEF SIEGFRIED JOHANNES 2,983,416
HONDA, HIROYUKI 2,983,398
HONG, HAIPING 2,981,481
HONG, ZHI 2,967,184
HONG, ZHI 2,967,185
HONG, ZHI 2,967,195
HOOBER, KENNETH J. 2,983,666
HOON, DOUGLAS M. 2,980,320
HOOSHMAND-RAD, ROYA 2,983,609
HOPKINSON, ALAN 2,983,805
HORIGUCHI, TOMOYUKI 2,983,814
HORINOUCHI, AYANOBU 2,983,814
HORIZON ORPHAN LLC 2,966,879
HORVITZ, ERIC 2,983,286
HORVITZ, ERIC JOEL 2,983,109
HORVITZ, ERIC JOEL 2,983,124
HOSHINA, WATARU 2,978,223
HOSSBACH, MARKUS 2,980,975
HOU, WEN-SUN 2,982,768
HOUCK, JUSTIN EDWARD 2,981,072
HOULE, CLAUDE 2,983,809
HOVIONE SCIENTIA LIMITED 2,981,100
HOWARD, KELVAN 2,983,742
HOWARD, PHILIP WILSON 2,981,920
HOWELL, JULIAN DAVID 2,965,096
HSIAO, ELAINE 2,966,363
HSIEH, KUANGWEN 2,982,671
HU, XUN 2,980,342
HU, YING 2,967,432
HUANG, YIQIANG 2,983,481
HUAWEI TECHNOLOGIES CO., LTD. 2,983,359
HUAWEI TECHNOLOGIES CO., LTD. 2,983,471
HUAWEI TECHNOLOGIES CO., LTD. 2,983,479
HUAWEI TECHNOLOGIES CO., LTD. 2,983,746
HUBBARD, BREEANA 2,983,732
HUBBELL INCORPORATED 2,983,116
HUBBELL INCORPORATED 2,983,733
HUBER, HANS E. 2,980,975
HUBER, KEVIN 2,980,498
HUDSON, ALAN D. 2,982,767
HUDSON, HAROLD G. 2,980,988
HUGHES, RICHARD L. 2,983,109
HUGHES, RICHARD L. 2,983,124
HUGUES, RENE 2,980,118
HULDEN, JARL 2,983,940
HULTEEN, JOHN C. 2,982,919
HULTEEN, JOHN C. 2,982,921
HULTEEN, JOHN C. 2,982,939
HUMPHREYS, DAVID PAUL 2,983,770
HUNDEMER, HANK J. 2,979,718
HUNTSMAN ADVANCED MATERIALS LICENSING (SWITZERLAND) GMBH 2,983,679
HUNTSMAN INTERNATIONAL LLC 2,983,348
HUNZIKER, DANIEL 2,983,782
HUSENI, MAHRUKH 2,967,368
HUSSEIN, FATHI DAVID 2,981,724
HUTCHINS, BENJAMIN M. 2,966,932
HUTCHINSON 2,981,648
HUTCHINSON 2,981,655
HUTCHINSON 2,983,661
HUTTLIN, EDWARD LEO 2,967,867
HWANG, DONG-JIN 2,983,403
HWANG, DONG-JIN 2,983,426
HWANG, HEE SOOK 2,966,422
HWANG, MICHAEL S. 2,980,292
HWANG, SHYH-YUAN HENRY 2,968,063
HYNNA, KAI MICHAEL 2,956,230
HYPERFINE RESEARCH, INC. 2,983,448
IANNI, BRUCE C. 2,980,587
IANNI, JOSEPH 2,974,617
ICHINOSE, TOSHIMITSU 2,983,989
IDE TECHNOLOGIES LTD 2,982,582
IDK INTERACTIVE INC. 2,983,339
IFLAH, EHUD 2,982,063
IFP ENERGIES NOUVELLES 2,983,775
IGM BIOSCIENCES, INC. 2,980,751
IKEDA, MASAYUKI 2,983,578
ILIOPOULOS, DIMITRIOS 2,966,772
IM, JUNHWAN 2,966,742
IM, JUNHWAN 2,966,759
IMAMURA, SHINICHI 2,983,391
IMAOKA, YOSHIHIRO 2,983,399
IMEC VZW 2,983,482
IMMUNOGEN, INC. 2,966,932
IMMUNOMEDICS, INC. 2,983,456
IMMUNOMEDICS, INC. 2,983,597
IMMUNOMEDICS, INC. 2,983,600
IMPLUS FOOTCARE, LLC 2,983,036
IMRAN, MIR 2,983,337
IMS SOLUTIONS INC. 2,979,206
INCUBE LABS, LLC 2,983,337
INGBER, DONALD E. 2,983,821
INGEBRAND, JOHN R. 2,983,096
INGENICO GROUP 2,983,704
INGERLE, KURT 2,980,944
INGHELBRECHT, SABINE 2,981,601
INNOTHERAPY INC. 2,980,116
INOUE, HISAYOSHI 2,983,664
INOUE, TAKAO 2,983,399
INPRO/SEAL LLC 2,983,160
INQPHARM GROUP SDN BHD 2,967,284
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 2,983,364
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 2,983,365
INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE 2,983,194
INTEGRA BIOSCIENCES AG 2,982,579
INTEGRATED CONCRETE FORMING LTD. 2,983,463
INTEGRITY PRODUCTS & SUPPLIES INC. 2,984,046
INTELLIGENT SYNTHETIC BIOLOGY CENTER 2,961,465
INTERCEPT PHARMACEUTICALS, INC. 2,983,609
INTERNATIONAL SWAPS AND DERIVATIVES ASSOCIATION, INC. 2,983,439
IRON THERAPEUTICS HOLDINGS AG 2,965,096
IRVING, AMY ANN 2,967,867
ISHIDA, KAZUTOSHI 2,983,398
ISHIHARA, TADAYOSHI 2,983,340
ISHII, SAYAKA 2,983,905
ISHII, YOICHI 2,983,905
ISHIKAWA, TAKAAKI 2,978,430
ISHIZUKA, YUYA 2,983,812
ITAGAKI, ICHIRO 2,983,812

ITO, TOMOYUKI 2,983,573
ITOH, MASARU 2,983,576
IVANCIC, MELANIE MAE 2,967,867
IVIE, CAMERON 2,984,093
IWAMOTO, SHINYA 2,983,718
IWAMURA, NAOKI 2,983,391
IXCELA, INC. 2,983,918
JAAFAR, ADIL 2,981,634
JAAFAR, ADIL 2,981,640
JAAFAR, ADIL 2,981,681
JACOBS, MARTIN J. 2,967,828
JACQUOT, ERIC 2,983,713
JACQUOT, ERIC 2,983,717
JAESCHKE, GEORG 2,983,908
JAIN, ANJALI 2,965,095
JAMES GALT & CO. LIMITED 2,982,858
JANOWSKI, BARTLOMIEJ 2,981,121
JANOWSKI, BARTLOMIEJ 2,981,128
JANSSEN PHARMACEUTICA NV 2,981,601
JAPET MEDICAL DEVICES 2,983,043
JARVIUS, JONAS 2,983,622
JASPART, SEVERINE 2,970,655
JAY, GREGORY THERON 2,982,949
JAYABALAN, RANJIT 2,977,781
JAYABALAN, RANJIT 2,977,783
JENNE, STEPHAN 2,983,620
JEONG, WOOHYEUN 2,983,903
JERAN, PAUL 2,983,810
JESSING, MIKKEL 2,983,563
JIZODO, MAKOTO 2,983,691
JOHNSEN, ANDREW 2,977,781
JOHNSEN, ANDREW 2,977,783
JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED 2,982,688
JOHNSON MATTHEY PUBLIC LIMITED COMPANY 2,982,692
JOHNSON, KEITH A. 2,983,608
JOHNSTON, RAYMOND P. 2,980,735
JOKINEN, EMMA 2,983,813
JONCHERAY, THOMAS JULIEN 2,983,348
JONES, AMANDA 2,983,426
JONES, DANIEL 2,983,820
JONES, FRANK 2,983,461
JONSSON, HENRIK 2,983,015
JOO, DANIEL M. 2,980,723
JORRITSMA, MINNE 2,983,375
JOSYULA, KANTH V. 2,981,182
JOUHANNEAUD, ALEXANDRA 2,983,071
JOUHANNEAUD, ALEXANDRA 2,983,548
JPL GLOBAL, LLC 2,983,929
JUENGST, DERRICK 2,967,951
JUHL, KARSTEN 2,983,563
JUNTTAN OY 2,982,499
KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.) 2,983,720
KABUSHIKI KAISHA NIHON MICRONICS 2,984,098
KAFFKA, CHRISTIAN 2,983,467
KAGIHIRO, MASASHI 2,983,609
KAI, HIROYUKI 2,983,721
KAIO, DAISUKE 2,983,896
KAJIWARA, KENTARO 2,983,814
KALATA, GREGORY S. 2,983,777
KALATI, RITESH 2,984,095
KALAYDJIYSKI, LUDMIL BORISSOV 2,983,417
KALDOR, MATTHEW J. 2,983,921
KALENIAN, PAUL 2,980,320
KALOUMENOS, NIKOLAOS 2,980,824
KALVISTA PHARMACEUTICALS LIMITED 2,967,737
KALVISTA PHARMACEUTICALS LIMITED 2,967,894
KAMEI, SHIN 2,983,691
KAMERKAR, ABHIJIT 2,966,637
KANAKARIS, NIKOLAOS 2,983,664
KANE, TIMOTHY 2,983,369
KANEKO, TSUYOSHI 2,983,725
KANELLOPOULOS, VASILEIOS 2,983,423
KARASEK, CHARLIE 2,983,041
KARCZEWICZ, MARTA 2,979,075
KARIMOV, RASHAD 2,983,314
KARKI, SHYAM B. 2,967,645
KARKI, SHYAM B. 2,967,647
KARRA, SRINIVASA R. 2,967,694
KARRI, SURESH 2,967,952
KARUMANCHI, ANANTH 2,980,339
KASAHARA, TAKASHI 2,983,812
KASER, MATTHEW JAMES 2,965,237
KASER, MATTHEW JAMES 2,965,256
KAUL, BAL 2,967,047
KAUP, THOMAS 2,983,442
KAUSHIK, ANIRUDDHA M. 2,982,671
KAWAMURA, HIROMICHI 2,983,441
KAWASHIMA, HIROSHI 2,983,729
KEEDER, KAREN 2,983,632
KEHLER, JAN 2,983,563
KELLEY, RICHARD EUGENE, JR. 2,983,433
KELLOGG COMPANY 2,983,450
KELLOGG COMPANY 2,983,632
KELLY, STEPHEN R. 2,979,894
KELLY, TIMOTHY CHRISTENSEN 2,983,934
KEMIRA OYJ 2,983,212
KENNEDY, GREGORY D. 2,967,867
KERL, JOHN ROBERT 2,980,583
KESNER, SAMUEL 2,979,894
KEYT, BRUCE A. 2,980,751
KHVOROVA, ANASTASIA 2,980,337
KHVOROVA, ANASTASIA 2,980,339
KIELIAN, TAMMY 2,967,468
KIENER, CHRISTOPH 2,981,113
KIENMAN, RICHARD E. 2,981,610
KIGER, CHRISTOPHER ERIN 2,980,145
KIGER, CHRISTOPHER ERIN 2,980,146
KIKUCHI, KIYOFUMI 2,983,691
KIM, BYUNGHO 2,966,742
KIM, BYUNGHO 2,966,759
KIM, GUN-HO 2,980,936
KIM, HEUNG-MOOK 2,977,623
KIM, HEUNG-MOOK 2,977,627
KIM, HEUNG-MOOK 2,977,628
KIM, HEUNG-MOOK 2,977,629
KIM, HYE JUNG 2,966,742
KIM, HYUN-CHOL 2,983,917
KIM, JEONG 2,967,368
KIM, JEUNG HO 2,983,580
KIM, JONGMIN 2,966,759
KIM, JUNGSOOK 2,966,742
KIM, MI SUN 2,966,742
KIM, MI SUN 2,966,759
KIM, SUN CHANG 2,961,465
KIMURA, KENICHI 2,983,788
KINETIC PRESSURE CONTROL LIMITED 2,984,011
KING ABDULAZIZ CITY FOR SCIENCE & TECHNOLOGY 2,983,238
KING, SIMON 2,983,551
KINUGASA, KIYOTO 2,983,664
KINZLER, KENNETH W. 2,980,292
KIRCHHOFF AUTOMOTIVE DEUTSCHLAND GMBH 2,983,381
KIRSHNER, JESSICA R. 2,967,820
KISAKA, YOSHIAKI 2,983,578
KISHI, NORIMASA 2,983,680
KISHI, NORIMASA 2,983,682
KITAMURA MACHINERY CO., LTD. 2,983,431
KITAMURA, AKIHIRO 2,983,431
KITAMURA, SHUJI 2,983,391
KITZMAN, JEFFERY D. 2,983,273
KIYAMA, KENJI 2,983,989
KIZAKI, NAOYA 2,983,585
KLAASSEN, PAUL 2,983,776
KLAPPERT, WALTER R. 2,983,934
KLAUZ, JIRI 2,983,480
KLEINEKE, RONALD 2,983,639
KNACKMUSS, STEFAN 2,983,706
KNIGHT, MICKEL ERNST 2,981,072
KNOLL, INC. 2,983,123
KNOOK, ARIE JAN THEODORUS 2,983,581
KNORR-BREMSE SYSTEME FUR NUTZFAHRZEUGE GMBH 2,983,654
KNOTZEL, JURGEN C. F. 2,980,836
KNOWCK CO., LTD. 2,983,580
KO, KWANG SEOK 2,966,742
KO, KWANG SEOK 2,966,759
KOCH, PAUL 2,983,286
KOCH, TOBIAS 2,983,238
KODAMA, TOMO 2,983,439
KOEHLER, KLAUS 2,983,545
KOEHLER, SARA 2,983,909
KOELPER, CRYSTAL 2,983,615
KOHN, NATHAN BENJAMIN 2,983,275
KOIFMAN, ALEXEI 2,982,063
KOJIMA, TAKUTO 2,983,391
KOLLMANN, JURGEN 2,982,384
KOMATSU, TOMOMI 2,983,378
KOMRO, RONALD W. 2,981,072
KONDEX CORPORATION 2,983,608

KONDO, ATSUSHI 2,983,421
KONG, MINJUNG 2,966,742
KONG, MINJUNG 2,966,759
KONISH, STEVEN P. 2,983,413
KONNO, YUSUKE 2,983,577
KONTOMARIS, KONSTANTINOS 2,983,599
KOOB, CHRISTOPHER EDWARD 2,983,800
KOPPELMAN, RACHEL 2,983,103
KOPPENHAGEN, FRANCISCUS 2,981,440
KORNER, OLAF 2,982,953
KORTENBACH, JUERGEN A. 2,983,488
KORUPOLU, RADHIKA 2,983,337
KORYTKO, ANDREW 2,981,115
KOVACS, MICHAEL FRANCIS 2,983,650
KOVAR, JOY 2,964,963
KOWANETZ, MARCIN 2,984,003
KOZAK, RADOSLAW 2,981,121
KOZAK, RADOSLAW 2,981,128
KOZEL, THOMAS R. 2,983,732
KRABBENHOEFT, KEVIN 2,983,439
KRAMPERT, MONIKA 2,980,975
KRAUSE, KARL R. 2,983,599
KRAUSE, TREVOR W. 2,983,901
KRAUSE, TREVOR W. 2,983,916
KRAVETS, OLEKSIY 2,983,335
KREMSER, STEFFEN 2,983,539
KRISHNAMOORTHY, SIVAKUMARA K. 2,981,194
KRISHNAMOORTHY, SIVAKUMARA K. 2,981,221
KRUMM, JOHN CHARLES 2,983,286
KRUPP, BENJAMIN T. 2,983,589
KRUSIN, MARC 2,983,123
KUAN, JOHNNY JONE WAI 2,983,800
KUBEK, EDWARD W. 2,983,822
KUBO, MASAHIRO 2,983,388
KUBO, MASAHIRO 2,983,404
KUBOTA, SHOGO 2,983,398
KUBURAS, ADISA 2,983,041
KUCHNIO, PIOTR 2,956,230
KUHNLE, SARAH 2,983,544
KUIJPERS, MARIJN 2,980,673
KULSHRESHTHA, ALOK 2,966,758
KUMAR, ANAND 2,981,742
KUMAR, NITIN 2,977,781
KUMAR, NITIN 2,977,783
KUNSCH, MARTIN 2,983,773
KUNTZ, ANDREA 2,981,113
KURAMASHI, KOJI 2,983,989
KURANO, YOSHIHIRO 2,983,693
KURARAY CO., LTD. 2,983,785
KURASAWA, OSAMU 2,983,391
KURASHIGE, MAKIO 2,983,398
KURIHARA, AKIRA 2,983,575
KUROIWA, TOMOHIRO 2,983,577
KUROSE, NORIYUKI 2,983,721
KURTH, CHRISTOPHER 2,983,362
KUSNEZOFF, MIHAILS 2,980,973
KUTZIK, MEIR 2,982,063
KUZUSHIMA, YUSUKE 2,984,096
KUZYK, YURI ALEXANDER 2,956,230
KWAG, DONGSUB 2,966,422
KWON, SUN-HYOUNG 2,977,623
KWON, SUN-HYOUNG 2,977,627
KWON, SUN-HYOUNG 2,977,628
KWON, SUN-HYOUNG 2,977,629
KYNDI, INC. 2,983,880
KYRATSOUS, CHRISTOS 2,980,771
KYYNARAINEN, NIINA 2,983,478
LABRENZ, JAMES N. 2,983,882
LACHEEN, HOWARD STEVEN 2,966,402
LACHEEN, HOWARD STEVEN 2,966,404
LACROIX, CHRISTOPHER 2,982,579
LACROIX, ODILE 2,983,365
LACY, DARRYL DONALD 2,967,047
LAFARGE 2,983,361
LAFARGUE, OLIVIER 2,983,383
LAFRANCE, DANNY 2,964,957
LAGA, BENJAMIN 2,983,893
LAGAE, LIESBET 2,983,482
LAGUERRE, AUDREY 2,983,968
LAI, WENYIH FRANK 2,967,047
LAJIMI, S. AMIR MOUSAVI 2,983,860
LAKATA, MARK T. 2,983,882
LAM THERAPEUTICS, INC. 2,966,334
LAM THERAPEUTICS, INC. 2,966,356
LAM THERAPEUTICS, INC. 2,966,359
LAMBERT, GEOFFREY JAMES 2,978,348
LAMBERT, LEANNE JOY 2,978,348
LANCASTER, RICHARD G. 2,983,609
LANDRETTE, SEAN 2,966,334
LANDRETTE, SEAN 2,966,356
LANDRETTE, SEAN 2,966,359
LANE, BENJAMIN R. 2,983,594
LANE, JAMES D. 2,983,683
LANE, MIRA 2,983,288
LANGGARD, MORTEN 2,983,563
LAO, WU 2,984,093
LARSON LOWELL, VAN LUND 2,983,407
LATHAM, JOHN 2,983,041
LATREILLE, VALERIE 2,983,657
LATTERI, ALESSANDRA 2,983,221
LAU, ADAM SAN-HO 2,967,769
LAURIN, JEAN-ALAIN 2,983,948
LAWLER, CASIMIR E., JR. 2,983,230
LE BORGNE, YVES 2,983,466
LE FRALLIEC, GERALDINE 2,983,674
LE GOUELLEC, AUDREY 2,981,570
LE PAGE, CHRISTOPHER JOHN 2,983,537
LE ROUX, OLIVIER 2,983,775
LE STRAT, FREDERIC 2,983,674
LE, KHOI 2,983,002
LEAVER, TIMOTHY 2,983,804
LEBRUN, CLAUDIA 2,983,657
LECOINTE, NICOLAS 2,983,674
LEDOUSSAL, BENOIT 2,983,674
LEE, CRYSTAL 2,981,160
LEE, HAESHIN 2,980,116
LEE, JAE-YOUNG 2,977,623
LEE, JAE-YOUNG 2,977,627
LEE, JAE-YOUNG 2,977,628
LEE, JAE-YOUNG 2,977,629
LEE, JAMES D. 2,983,831
LEE, KENNETH 2,983,944
LEE, MOON SUE 2,980,116
LEE, SANG HWI 2,966,742
LEE, SANG HWI 2,966,759
LEE, SOON JANG 2,961,465
LEE, SOON OK 2,966,742
LEE, SOON OK 2,966,759
LEE, SUNGWON 2,979,075
LEE, WELLY SUGIARTO 2,983,027
LEE, YONG-KYU 2,966,422
LEGER, BRYAN Q. 2,983,491
LEHMANN, TODD CARLTON 2,983,733
LEI, ZHANG 2,983,258
LEIDOS BIOMEDICAL RESEARCH, INC. 2,983,927
LEIVERS, MARTIN R 2,967,185
LEIVERS, MARTIN R. 2,967,184
LEIVERS, MARTIN R. 2,967,195
LEMKEN GMBH & CO KG 2,982,414
LEMURELL, MALIN ANITA 2,983,668
LEONE, GIUSEPPE 2,983,449
LEROY, REMY 2,983,671
LES SOLUTIONS MEDICALES SOUNDBITE INC. 2,983,655
LESSER, JOSEPH 2,983,401
LESTER, JOSEPH CRAIG 2,983,340
LEUNG, CHEUK-YUI 2,967,645
LEUNG, CHEUK-YUI 2,967,647
LEVEQUE, LAURENCE 2,982,216
LEVIN, DORON 2,966,887
LEVIN, LENA 2,983,568
LEVIN, OFEK 2,983,568
LEVIN, YEHONATAN 2,983,568
LEVY, ARIE 2,983,568
LEYN, ALEXANDER 2,983,806
LI, CHUN-ZHU 2,980,342
LI, JIANG 2,983,212
LI, JUAN 2,983,702
LI, LEIMING 2,980,919
LI, LEIMING 2,980,981
LI, LEIMING 2,980,988
LI, MICHAEL QIANG 2,983,564
LI, QIANQIAN 2,983,702
LI, QUANCHANG 2,967,047
LI, SHAOJUN 2,984,041
LI, XINLU 2,983,475
LI, YANRAN 2,983,445
LI, YUFENG 2,967,248
LI-COR, INC. 2,964,963
LICHENSTEIN, HENRI 2,966,334
LICHENSTEIN, HENRI 2,966,356
LICHENSTEIN, HENRI 2,966,359
LICHKUS, ANDREW M. 2,981,062
LIEBSCH, JURGEN 2,983,502
LIEBSCH, JURGEN 2,983,504
LIEBSCH, JURGEN 2,983,509
LIEBSCH, JURGEN 2,983,513
LIEN, ISAAC 2,983,919
LIEN, KHOA TUAN 2,983,587
LIEN, KHOA TUAN 2,983,591
LIEN, KHOA TUAN 2,983,607
LIEN, SCOTT 2,983,919
LIKITLERSUANG, SUKHON 2,967,413
LIM, HANPIN 2,983,394

LIM, MELISSA N. 2,983,286
LIM, YEE MAE 2,967,284
LIMEM, SKANDER 2,983,392
LIN, YIQING 2,967,645
LIN, YIQING 2,967,647
LIN, YIZHEN 2,977,788
LIND, ANDERS 2,983,622
LINDAL FRANCE SAS 2,983,457
LINDER, DANIEL 2,977,858
LINDER, DANIEL 2,977,863
LINDER, PATRICK 2,977,858
LINDER, PATRICK 2,977,863
LINDNER, STEFAN 2,983,367
LINNEMANN, JELENA R. 2,980,852
LINPAC PACKAGING LIMITED 2,982,969
LINTON, STEPHEN 2,984,015
LIPORACE, FRANK A. 2,983,664
LIPP, MICHAEL M. 2,966,637
LISCHKE, DAGMAR 2,983,485
LISCHKE, DAGMAR 2,983,499
LIU, CHUNYU 2,981,773
LIU, DONGLIN 2,983,456
LIU, FUSHAN 2,984,016
LIU, KUN 2,983,948
LIU, LINGSHU 2,982,671
LIU, ROBERT 2,983,439
LIU, SHAN 2,983,881
LIU, XIAOZHONG 2,983,411
LIU, YAO 2,983,479
LIU-BUJALSKI, LESLEY 2,967,853
LIUKKONEN, JOHANNA 2,983,484
LKAB WASSARA AB 2,983,940
LO SCRUDATO, MIRELLA 2,983,364
LOBEDANN, MARTIN 2,983,884
LOCKHEED MARTIN CORPORATION 2,983,049
LOCKLEAR, BRANDON C. 2,981,724
LOFTIN, CALEB S. 2,983,424
LOISY, CORINNE 2,983,775
LOMERSON, ROBERT B. 2,983,605
LONGPRE, YANNICK 2,983,809
LOOMIS, MARIA-CRISTINA 2,983,041
LORENZ, KLAUS 2,983,561
LOUBATON, BERTRAND 2,981,976
LOWENBERG, TODD 2,983,412
LOWY, ISRAEL 2,967,820
LU, WEI-SHU 2,983,394
LUI, DOROTHY 2,976,573
LUKAS, THOMAS 2,982,414
LUKER, CHARLES E. 2,983,334
LUO, MICHELLE 2,983,874
LUO, TAO 2,979,071
LUO, TAO 2,979,073
LUO, YUPING 2,983,212
LUPIN ATLANTIS HOLDINGS SA 2,981,440
LY, CHI VINH 2,983,957
LYAMICHEV, VICTOR 2,983,351
LYAMICHEV, VICTOR 2,983,549
LYNCH, THOMAS J. 2,983,212
LYNDERSAY, SEAN 2,982,957
MAAT PHARMA 2,983,194
MACCONELL, LEIGH A. 2,983,609
MACDONALD, ALISTAIR M. 2,981,610
MACDONALD, BRIAN 2,983,288
MACDONALD, LYNN 2,980,771
MACDOUGALL, FIONA JANE 2,967,738
MACIAG, ANNA E. 2,983,927
MACKAY MEMORIAL HOSPITAL 2,983,962
MACKAY MEMORIAL HOSPITAL 2,983,977
MADJLESI, ABDOLREZA 2,983,082
MAEDA, SHIGERU 2,983,572
MAESEN, THEODORUS LUDOVICUS MICHAEL 2,966,402
MAESEN, THEODORUS LUDOVICUS MICHAEL 2,966,404
MAGIC LEAP, INC. 2,983,749
MAGNA EXTERIORS (BOHEMIA) S.R.O. 2,983,480
MAGUIRE, SEAN 2,983,418
MAHNKE, JOSHUA 2,982,305
MAINTECH CO., LTD. 2,983,778
MAIRHOFER, JURGEN 2,983,894
MAJEED, MUHAMMED 2,967,952
MAJUMDAR, ARUN 2,983,880
MAJUMDAR, SUSRUTA 2,983,314
MAK, SIU WAI JACKY 2,956,230
MAKWANA, KETAN 2,983,473
MALEK, JAROSLAW 2,980,870
MALHERBE, GUILLAUME 2,981,374
MALLARD, NICHOLAS 2,965,096
MALPASS, LUKE 2,979,043
MANGAL, SAMEER 2,983,401
MANGIALARDI, DOMINIC 2,983,349
MANKE, KEVIN R. 2,983,660
MANNENT, LEDA 2,967,602
MANOR, YONATAN 2,983,912
MANSURI, PARVEZ 2,983,418
MANZ, FLORIAN 2,981,124
MAO, WEIWEI 2,983,481
MARCH, JOHN BERNARD 2,966,288
MARCHIONNI, MARCO 2,983,647
MARENGO, GIOVANNI ANTONIO 2,983,065
MARENGO, GIOVANNI ANTONIO 2,983,070
MARIATHASAN, SANJEEV 2,984,003
MARIGO, VALERIA 2,983,358
MARION, PHILIPPE 2,983,671
MARISSEN, ROELOF 2,983,416
MARKHAM, ANTHONY CHARLES WILLIAM 2,983,915
MARKPORT LIMITED 2,980,673
MARLEAU, BENOIT 2,983,949
MARMON, TONYA K. 2,983,609
MARRIOTT, MARK P. 2,983,771
MARSCHNER, JENS-PETER 2,983,706
MARSDEN, JEREMIAH 2,983,408
MARTIN, DONALD 2,981,570
MARTIN, SANNA 2,983,900
MARTIN, YVES 2,983,809
MARTINEZ, JACOB 2,983,036
MARTYNUS, CORNELIA BEATE 2,979,839
MARTYNUS, CORNELIA BEATE 2,980,145
MARTYNUS, CORNELIA BEATE 2,980,146
MARTYNUS, CORNELIA BEATE 2,980,148
MARZOUK, AMR 2,983,860
MASH, DEBORAH C. 2,983,727
MASI, FRANCESCO 2,983,449
MASON, BIANCA 2,983,041
MASTELLER, EMMA 2,980,460
MASTERCARD INTERNATIONAL INCORPORATED 2,983,386
MASTERCARD INTERNATIONAL INCORPORATED 2,983,412
MASTERMAN, THOMAS CRAIG 2,983,454
MATHEU, DAVID M. 2,983,470
MATONO, MITSUHIRO 2,983,609
MATRIX GENETICS, LLC 2,983,636
MATSON, SAMANTHA A. 2,983,918
MATSUMOTO, KEIGO 2,983,989
MATTEI, PATRIZIO 2,983,782
MATTHEW, CHRISTOPER D. 2,979,035
MATTHEWS, WILLIAM A. 2,981,724
MATTICH, CHRISTIAN 2,983,773
MAURIN, MAX 2,981,570
MAY, PRESTON ANDREW 2,980,856
MAYFIELD, MONTY D. 2,983,895
MAYO, MELISSA ANN 2,983,620
MAYR-MELNHOF KARTON AG 2,982,384
MAZMANIAN, SARKIS K. 2,966,363
MAZOYER, SIMON 2,981,682
MCAULD, DAVID 2,983,603
MCBRIDE, SARA 2,966,363
MCCLURE, DOUGLAS J. 2,983,777
MCCORMICK, FRANK 2,983,927
MCGUIGAN, THOMAS E. 2,983,049
MCGUIRE, KENNETH STEPHEN 2,983,340
MCINNIS, MATTHEW 2,978,471
MCINNIS, MATTHEW 2,980,168
MCKEE, ADRIENNE 2,980,942
MCVEY, ROBERT 2,983,615
MEDERO, RICHARD 2,981,610
MEDICAL RESEARCH COUNCIL 2,983,651
MEDIMMUNE LIMITED 2,981,920
MEDOFF, MARSHALL 2,983,454
MEDTRONIC XOMED, INC. 2,982,924
MEGEL, STEFAN 2,980,973
MEHTA, VINAY 2,981,182
MEI, SHAWN C.P. 2,980,719
MEIXNER, LISA K. 2,980,852
MELANDER, OLLE 2,983,542
MELTZ, LLC 2,980,320
MEMORIAL SLOAN-KETTERING CANCER CENTER 2,983,314
MENDENALL, PAUL 2,980,998

MENET, CHRISTEL JEANNE MARIE 2,983,342
MENG, QINGYI 2,983,475
MERCATI, VALENTINO 2,967,746
MERCATI, VALENTINO 2,967,749
MERCK PATENT GMBH 2,967,694
MERCK PATENT GMBH 2,967,853
MERLIN, SIMONE 2,980,467
MERLIN, SIMONE 2,980,674
MERLIN, SIMONE 2,980,675
MERRILL, PETER 2,982,593
MERRON, MATTHEW J. 2,982,933
METALLO BELGIUM 2,981,243
METELITSA, LEONID S. 2,983,434
METRAS, INC. 2,983,573
MEYER, COREY D. 2,983,096
MEYER, RANDALL A. 2,981,742
MEYERZON, DMITRIY 2,983,027
MI INTEGRATION S.E.N.C. 2,983,809
MIAH, AFJAL HUSSAIN 2,983,414
MICA S.R.L. 2,981,445
MICHAEL, LACHLAN BRUCE 2,980,689
MICHALAK, CHRISTOPHER S. 2,980,676
MICHAUD, BENOIT 2,983,363
MICHIDA, MAKOTO 2,983,788
MICROSOFT TECHNOLOGY LICENSING, LLC 2,982,957
MICROSOFT TECHNOLOGY LICENSING, LLC 2,983,027
MICROSOFT TECHNOLOGY LICENSING, LLC 2,983,098
MICROSOFT TECHNOLOGY LICENSING, LLC 2,983,109
MICROSOFT TECHNOLOGY LICENSING, LLC 2,983,124
MICROSOFT TECHNOLOGY LICENSING, LLC 2,983,279
MICROSOFT TECHNOLOGY LICENSING, LLC 2,983,286
MICROSOFT TECHNOLOGY LICENSING, LLC 2,983,288
MILAZZO, GIOVANNI 2,981,445
MILCZEK, ERIKA M. 2,983,620
MILESTONE AV TECHNOLOGIES LLC 2,983,766
MILLER, DUANE D. 2,983,403
MILLER, DUANE D. 2,983,426
MILLER, JOSEPH HENRY 2,982,683
MILLER, KEVIN CHRISTOPHER 2,980,583
MILLER, NATHAN ANDREW 2,980,583
MILLER, WILLIAM HENRY 2,968,029
MILLER, WILLIAM HENRY 2,968,030
MILLER, WILLIAM HENRY 2,968,032
MILLETTI, MARCO 2,983,882
MILTON, DAVID 2,979,799
MIMOUN, EMMANUEL 2,981,682
MINA THERAPEUTICS LIMITED 2,980,975
MINE, TOSHIHIKO 2,983,989
MINERS, WILLIAM BEN 2,979,206
MINK, SHELDON 2,980,915
MIRACLE, GREGORY SCOT 2,981,620
MIRECA MEDICINES GMBH 2,983,358
MIRETSKY, ALEXANDER 2,983,797
MIRKA LTD. 2,983,478
MIRONOV, MAKSIM ANATOLIEVICH 2,983,432
MISEO, SABATO 2,966,887
MITELMAN, YULY 2,983,119
MITHRA PHARMACEUTICALS S.A. 2,970,655
MITSUBISHI HEAVY INDUSTRIES, LTD. 2,983,378
MITSUBISHI HEAVY INDUSTRIES, LTD. 2,983,572
MITSUBISHI HEAVY INDUSTRIES, LTD. 2,983,725
MITSUBISHI HEAVY INDUSTRIES, LTD. 2,983,790
MITSUBISHI HITACHI POWER SYSTEMS, LTD. 2,983,989
MITSUBISHI TANABE PHARMA CORPORATION 2,983,898
MIURA, HARUKO 2,980,852
MIVA ENGINEERING LTD. 2,983,947
MIYAGI, TAKASHI 2,983,388
MIYAGI, TAKASHI 2,983,404
MIYAJIMA, KENSUKE 2,983,428
MIYAMOTO, YASUFUMI 2,983,391
MIYAZAKI, TOMOYUKI 2,983,718
MIZUHO MEDY CO., LTD. 2,983,428
MIZUKAMI, DAISUKE 2,983,569
MIZUNO, JUN 2,983,812
MOBA GROUP B.V. 2,983,581
MODHA, SHANTILAL HIRJIBHAI 2,983,586
MODHA, SHANTILAL HIRJIBHAI 2,983,587
MODHA, SHANTILAL HIRJIBHAI 2,983,591
MODHA, SHANTILAL HIRJIBHAI 2,983,607
MOGNA, GIOVANNI 2,967,219
MOHRHARD, KARL-HEINZ 2,983,384
MOILLE, SOPHIE 2,983,685
MOLE, TIM 2,983,799
MOLL, OLIVER 2,983,779
MONIOTTE, ETIENNE 2,980,960
MONKAWA, AKIRA 2,983,722
MONPOEHO, SERGE 2,980,915
MONTGOMERY, DEAN 2,982,855
MONZON, SEBASTIAN 2,983,613
MOOG INC. 2,983,407
MOOG UNNA GMBH 2,983,663
MOON, HYUNG JO 2,966,742
MOON, HYUNG JO 2,966,759
MOORE, BARRY D. 2,983,783
MOORE, CHRISTOPHER A. 2,983,407
MOORE, GARY 2,983,781
MOORE, MELISSA 2,980,339
MOORE, STEPHEN 2,983,251
MORADI, LOGHMAN 2,983,350
MORADI, LOGHMAN 2,983,353
MORALES, MERCEDES 2,983,337
MORAM, JONATHAN PAUL 2,983,065
MOREAU, ANDRE W. 2,983,817
MOREAU, DARRELL A. 2,983,817
MOREAU, REGINALD 2,983,817
MOREIRA, CARLOS JAVIER 2,983,797
MORGAN, PATRICK GERARD 2,983,934
MORGAN, RICKEY 2,980,998
MORI, HIDEAKI 2,983,778
MORISHITA, YOSHIHIRO 2,983,785
MORPHO B.V. 2,983,167
MORRIS, JAMES ALAN 2,980,824
MORRIS, THOMAS 2,983,878
MOSELEY, GUY 2,983,100
MOSES, ARIKHA 2,983,392
MOTIVII LIMITED 2,982,519
MOTOMURA, ASAKO 2,983,792
MOUAZEN, MOUHAMAD 2,981,628
MOVAGHATI, SEPIDE 2,976,573
MOY, J. ERIK 2,968,063
MOYER, DANIEL VAN ZANDT 2,983,771
MTD PRODUCTS INC. 2,983,588
MTD PRODUCTS INC. 2,983,595
MUELLER, JOHN 2,966,632
MULL, ERIC 2,980,147
MULLEN, ALEXANDER BALFOUR 2,967,738
MULLIGAN, JENNY 2,983,041
MULLIS, BRIAN 2,983,664
MUMPOWER, MARIANO 2,983,594
MUNIANDY, ANBINIYAR 2,983,098
MURAKAMI, MASAYUKI (DECEASED) 2,983,788
MURATA, ATSUSHI 2,983,812
MURPHY, ANDREW J. 2,980,771
MURPHY, DIANE K. 2,966,424
MURTHY, GANAPA SANSHIDHARA 2,983,450
MUSCHA, JASON 2,983,921
MUTABILIS 2,983,674
MYOMO, INC. 2,979,894
NABIFAR, AFSANEH 2,981,113
NADEAU, NICOLAS 2,983,809
NAGABHUSHANAM, KALYANAM 2,967,952
NAGANO, TAKASHI 2,983,428
NAIMY, HICHAM 2,967,382
NAIR, BINURAJ KRISHNAN 2,981,601
NAKADA, KANAYO 2,983,785
NAKAMURA, KATSUMI 2,983,725
NAKANISHI, SHOICHI 2,983,722
NAKASHIMA YUKINO 2,984,099
NAKASHIMA, KOTARO 2,984,099
NAKASHOJI, HIROSHI 2,983,378
NAKATSUGAWA, KAORI 2,983,398
NAKAZAWA, YOSHIAKI 2,983,388
NANDI, AJOY 2,983,286
NANO-TECH POLSKA SP. Z.O.O. SP. K. 2,980,870
NANOMERICS LTD 2,966,592
NANOTHETA CO, LTD. 2,983,812
NAPPA, MARIO JOSEPH 2,983,599
NARAHARA, KENJI 2,983,428
NARAYANAN, RAMESH 2,983,403
NARAYANAN, RAMESH 2,983,426
NARINE, SURESH 2,984,041
NATH, SUMAN KUMAR 2,983,279

NATIONAL UNIVERSITY CORPORATION CHIBA UNIVERSITY 2,983,898
NAUD, JULIETTE 2,983,545
NAUGHTON, GAIL K. 2,983,832
NAYAR, SABA 2,981,631
NEC CORPORATION 2,983,569
NEC PLATFORMS, LTD. 2,983,907
NEFF, UELI 2,983,631
NEFZGER, HARTMUT 2,983,561
NELLES, PAUL 2,983,544
NELSON, SCOTT G. 2,980,981
NELSON, SCOTT G. 2,980,988
NELSON, SCOTT GREGORY 2,980,919
NEMETH, HUBA 2,983,654
NESTEC S.A. 2,965,095
NESTEC S.A. 2,983,685
NETFLIX, INC. 2,980,326
NEUROGAMI MEDICAL, INC. 2,972,620
NEUTRON THERAPEUTICS INC. 2,983,413
NEWMAN, KATERINA V. 2,980,715
NG, DEAN 2,980,751
NGUYEN, THOAI 2,982,924
NICKEL, ERIC 2,983,909
NICKERSON, JAMES G. 2,983,791
NICOLAS, GREGORY 2,965,262
NII, HIROAKI 2,983,720
NINES, MEGHAN 2,967,047
NIPPON GAS CO., LTD. 2,983,686
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,981,634
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,981,640
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,981,681
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,983,388
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,983,404
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,983,576
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,983,577
NIPPON TELEGRAPH AND TELEPHONE CORPORATION 2,983,578
NIPPON TELEGRAPH AND TELEPHONE CORPORATION 2,983,691
NISHIMOTO, YUTAKA 2,978,223
NISSAN MOTOR CO., LTD. 2,983,399
NISSAN MOTOR CO., LTD. 2,983,441
NISSAN MOTOR CO., LTD. 2,983,680
NISSAN MOTOR CO., LTD. 2,983,682
NISSAN MOTOR CO., LTD. 2,984,097
NISTICA, INC. 2,978,430
NOBEL BIOCARE SERVICES AG 2,983,438
NOBEL BIOCARE SERVICES AG 2,983,442
NOE, JAMES CHRISTIAN 2,983,386
NOEL, ANTOINE 2,983,043
NOK CORPORATION 2,983,693
NOMEN CALVET, JUAN EUSEBIO 2,983,371
NOMURA, YUKIHIRO 2,978,223
NONNI, ARTHUR J. 2,976,332
NOORI, NAVID 2,983,860
NORDQUIST, JEFFREY S. 2,983,615
NORTH CAROLINA STATE UNIVERSITY 2,983,874
NOVABONE PRODUCTS, LLC 2,983,486
NOVARTIS AG 2,966,646
NOVARTIS AG 2,966,758
NOVAS, MARK 2,967,619
NOVO FUTURA IVS 2,983,757
NOVOZYMES A/S 2,980,836
NOYMER, PETER 2,967,899
NTT ELECTRONICS CORPORATION 2,983,578
NURUNNABI, MD 2,966,422
NXT SOLUTIONS AG 2,983,891
NYFORS, KLAUS 2,983,423
NYUU, KEISUKE 2,983,718
O CONNELL, THOMAS 2,983,606
O'DONNELL, DAN 2,980,168
O'MAHONY, JOHN P. 2,982,591
O'NEIL, BRUCE 2,983,771
O'REAR, DENNIS JOHN 2,983,112
OBERT, EDOUARD 2,981,162
OBSCHESTVO S OGRANICHENNOJ OTVETSTVENNOSTYU "NPO BIOMIKROGELI" 2,983,432
OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR" 2,983,583
OBUNGU, VICTOR H 2,981,115
OCEAN OPTICS, INC. 2,983,683
ODIOT, KARINE 2,981,396
OESER, JORG 2,983,763
OGATA, YUKI 2,983,721
OGAWA, MISAO 2,983,576
OGAWA, TOMOYUKI 2,983,721
OH, SUK SONG 2,980,116
OHIO STATE INNOVATION FOUNDATION 2,967,468
OHMER, HERVE 2,983,895
OHTSUBO, SHINYA 2,983,812
OJALA, ETHAN WAYNE 2,983,041
OKADA, YOSHIAKI 2,983,718
OKAI, RICARDO-NAOKI 2,983,631
OKAMOTO, TAKESHI 2,983,905
OKANO, FUMIYOSHI 2,983,575
OKINA, YUNA 2,983,792
OKINO, SUSUMU 2,983,378
OKOCHA, CYRIL EMEKA 2,981,370
OKUNO, TAKUYA 2,983,792
OLIVEIRA, CHRYSTELLE 2,983,674
OLIVER, GUY 2,983,957
OLMSTEAD, KAY K. 2,983,609
ONCOPEPTIDES AB 2,983,559
ONISHI, SHINJI 2,983,569
ONUMA, YASUHARU 2,983,578
OPTIMEDICA CORPORATION 2,980,118
ORACZ, KRYSTYNA 2,980,870
ORIARAN, TAIYE PHILIPS 2,982,683
OSAKA UNIVERSITY 2,983,898
OSAWA, JIRO 2,983,379
OSAWA, JIRO 2,983,385
OSAWA, JIRO 2,983,571
OSG CORPORATION 2,983,379
OSG CORPORATION 2,983,385
OSG CORPORATION 2,983,571
OSHIMA, HIROSHI 2,983,785
OSKARSSON, HANS 2,983,402
OSRAM SYLVANIA INC. 2,977,781
OSRAM SYLVANIA INC. 2,977,783
OSUCH, CHRISTOPHER 2,983,806
OTTAWA HOSPITAL RESEARCH INSTITUTE 2,980,113
OTTE, JOHN F. 2,983,002
OTTO BOCK HEALTHCARE PRODUCTS GMBH 2,983,641
OTTO BOCK HEALTHCARE PRODUCTS GMBH 2,983,646
OTTO BOCK HEALTHCARE PRODUCTS GMBH 2,983,649
OU, KEVIN 2,983,804
OUTOTEC (FINLAND) OY 2,983,773
O'HARA, FIONN 2,983,908
P M B 2,981,976
PAAVOLA, JAAKKO 2,982,499
PABLA, BHUPINDER SINGH 2,983,800
PABON, JAHIR 2,980,722
PACIFIC BIOSCIENCES OF CALIFORNIA, INC. 2,983,882
PADILLA, GERARDO 2,982,510
PADMANABAN, GURURAJAN 2,983,473
PADMAREKHA, VENKKATEESH PARTHASARATHI 2,982,940
PAESSENS, CHRISTIAN 2,982,414
PAGADALA, JAYAPRAKASH 2,983,403
PAKSENSE, INC. 2,983,230
PAMPALONI, GUIDO 2,983,449
PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD. 2,983,903
PANG, LIYUN 2,983,359
PANNELL, RICHARD B. 2,981,724
PAPADOPOULOS, NICKOLAS 2,980,292
PAQUET-DURAND, FRANCOIS 2,983,358
PARADIS, ROBERT 2,983,454
PARADKAR-MITRAGOTRI, DEEPALI 2,966,424
PARK, CHAN BAE 2,961,465
PARK, CHAN HEE 2,966,742
PARK, CHAN HEE 2,966,759
PARK, HEON KYU 2,966,742
PARK, SUN SEOK 2,983,815
PARK, SUNG-IK 2,977,623
PARK, SUNG-IK 2,977,627
PARK, SUNG-IK 2,977,628
PARK, SUNG-IK 2,977,629

PARK, WILLIAM H. 2,983,413
PARKER, JOHN LOUIS 2,983,333
PARKER, JOHN LOUIS 2,983,336
PARKER-HANNIFAN CORPORATION 2,983,149
PARSON, NICHOLAS C. 2,983,948
PASTERNAK, GAVRIL 2,983,314
PATEL, JIGAR 2,983,351
PATEL, JIGAR 2,983,549
PATEL, NIHIR 2,983,643
PATEL, SONAL 2,983,652
PATSILARAS, GEORGE 2,983,800
PATTEN, MICHAEL 2,982,957
PATTERSON, PAUL H. (DECEASED) 2,966,363
PAWLIK, ROLAND 2,983,641
PAYNE, JOSEPH E. 2,968,060
PECO, THIMAQ TIM 2,983,940
PEDERSEN, ANDERS 2,983,198
PEER, RICHARD DAVID 2,981,001
PEERS, ROBERT PETER 2,983,729
PELICAN HEALTHCARE LIMITED 2,980,239
PELTIER, JEROME 2,983,457
PENCEK, RICHARD 2,983,609
PENNORS, THOMAS 2,983,717
PENTTINEN, MARKKU 2,982,499
PEQUENO, R. ERIC 2,981,724
PEREIRA, ALBERTINA 2,967,853
PEREZ DELAUME, ALAIN 2,981,976
PEREZ, ALEJANDRO 2,983,488
PERROT-SIMONETTA, MARIE-THERESE 2,980,878
PERRY, MACINTOSH E. 2,979,799
PESIN, ANTHONY 2,984,076
PESKENS, RONNIE 2,983,644
PETERSON, BRIAN 2,983,934
PETIT, ROCK 2,982,830
PETTERSEN, DANIEL TOR 2,983,668
PEUMANS, PETER 2,983,482
PFANNER SCHUTZBEKLEIDUNG GMBH 2,983,697
PFM MEDICAL AG 2,983,612
PHILLIPS, ALAN PAUL R. 2,983,919
PICARD, YANN 2,983,552
PICKETT, BRIAN 2,980,824
PICKHARDT, PERRY J. 2,967,867
PIECHOCKI, JOHN 2,980,942
PIERCE, GRANT 2,983,460
PIERRE FABRE MEDICAMENT 2,983,071
PIERRE FABRE MEDICAMENT 2,983,548
PILON, VINCENT 2,983,356
PINNEY, EMMETT 2,983,832
PIONEER HI-BRED INTERNATIONAL, INC. 2,982,671
PIPE, KEVIN P. 2,980,936
PIROZZI, GIANLUCA 2,967,602
PIXIUM VISION SA 2,983,355
PIXIUM VISION SA 2,983,360
PLAMONDON, JEAN-SEBASTIEN 2,983,354
PLAMONDON, JEAN-SEBASTIEN 2,983,356
PLANCHER, JEAN-MARC 2,983,908
PLEIMAN, JENNIFER KATHLEEN 2,967,867
PLEMICOR HOLDINGS CANADA INC. 2,983,618
PLOWRIGHT, ALLEYN THOMAS 2,983,668
PODAIMA, JASON EDWARD 2,983,797
PODGORSKI, MICHAEL 2,983,673
PODLASKI, SLAWOMIR 2,980,870
PODSIADLO, PAUL 2,967,047
POLSON, ANDREW 2,966,362
POLYVENT PTY LTD 2,974,617
POMRINK, GREGORY J. 2,983,486
PONNUSAMY, THAMARAI 2,983,403
PONNUSAMY, THAMARAI 2,983,426
POOLE, JOHN EDWARD 2,980,969
POOLE, MICHAEL STEPHEN 2,983,448
POOYANFAR, OLDOOZ 2,983,860
PORANEN, JANNE 2,983,484
POWELL, JONATHAN JOSEPH 2,983,651
POWELL, RIICHARD 2,980,969
POZNANSKY, MARK C. 2,983,762
PPG COATINGS EUROPE B.V. 2,983,644
PPG INDUSTRIES OHIO, INC. 2,983,767
PRATER, CURTIS S. 2,983,430
PREBE, ARNAUD 2,981,648
PREBE, ARNAUD 2,981,655
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 2,983,821
PRINOTH LTD. 2,983,949
PRINSEN, ERIC-JAN 2,983,423
PRINTPACK ILLINOIS, INC. 2,981,072
PROBE HOLDINGS, INC. 2,983,895
PROBIOTICAL S.P.A. 2,967,219
PRODUCTION ELEKTRATEK INC. 2,983,656
PRONOVA BIOPHARMA NORGE AS 2,983,377
PROVERA, VANDER 2,983,710
PRUCHER, BRYAN 2,983,737
PRUFTECHNIK DIETER BUSCH AG 2,983,357
PRUZANSKI, MARK 2,983,609
PUBLICIDAD VIRTUAL 2,983,741
PULI-SISTEM S.R.L. 2,983,566
PURE FIBER LIMITED 2,983,939
PURE FISHING, INC. 2,984,093
PURNELL, SHAWN 2,983,615
PUVANENDRALINGAM, GANGADARAN 2,977,863
PYLON MANUFACTURING CORP. 2,983,729
PYZIK, MICHAL 2,983,794
Q-LINEA AB 2,983,622
QALO LLC 2,984,032
QIU, HONGCHUN 2,965,237
QIU, HONGCHUN 2,965,256
QIU, LIXIA 2,983,746
QIU, YONGCHANG 2,967,382
QU, MENG 2,980,722
QUALCOMM INCORPORATED 2,978,958
QUALCOMM INCORPORATED 2,979,050
QUALCOMM INCORPORATED 2,979,071
QUALCOMM INCORPORATED 2,979,073
QUALCOMM INCORPORATED 2,979,075
QUALCOMM INCORPORATED 2,980,344
QUALCOMM INCORPORATED 2,980,467
QUALCOMM INCORPORATED 2,980,674
QUALCOMM INCORPORATED 2,980,675
QUALCOMM INCORPORATED 2,983,797
QUALCOMM INCORPORATED 2,983,800
QUEST DIAGNOSTICS INVESTMENTS INCORPORATED 2,983,820
QUINTANA, FRANCISCO J. 2,980,730
RABIDEAU, JENNA SUE 2,983,212
RACKHAM, MARK DAVID 2,983,414
RADIN, ALLEN 2,967,602
RADIVOJEVIC, DUSAN 2,983,080
RAINA, PAVAN 2,983,645
RAJESHIRKE, MANALI 2,983,473
RAJI, ABDUL-RAHMAN O. 2,983,601
RALSTON, TYLER S. 2,983,444
RAMASUBRAMONIAN, ADARSH KRISHNAN 2,979,075
RAMIREZ, ALEXANDER DAVID 2,980,719
RAMKUMAR, MYIL 2,983,800
RAMNATHKAR, SANDESH N. 2,983,410
RAMSEY, EUAN 2,983,804
RANDLE, J., SETH 2,980,160
RANGANATHAN, KRISHNAKUMAR 2,980,960
RANGINYA, TAGO 2,983,339
RANNES, JULIE B. 2,980,836
RAPACH, ANDRE PAUL 2,983,340
RAPALLINI, ROMANO 2,980,253
RASMUSSEN, HENRIK TORSTHOLM 2,968,130
RASMUSSEN, LARS KYHN 2,983,563
RATH, NIKOLAUS 2,983,344
RATH, TIMO 2,983,796
RATZ, ROLAND 2,983,892
RAUCH, MARK S. 2,983,639
RAY, JAMES DONALD, II 2,981,072
RAYCHECK, JEROMY THOMAS 2,979,839
RAYCHECK, JEROMY THOMAS 2,980,145
RAYCHECK, JEROMY THOMAS 2,980,146
RAYCHECK, JEROMY THOMAS 2,980,148
RAYTHEON COMPANY 2,979,035
REARICK, TODD 2,983,448
REAVIS, ASHLEY 2,983,643
RECHE, FABIAN 2,981,570
RECKITT BENCKISER (BRANDS) LIMITED 2,983,384
RECKITT BENCKISER LLC 2,965,237
RECKITT BENCKISER LLC 2,965,256
REDMER, JESSICA 2,983,634
REDMER, JESSICA 2,983,638
REDMER, JESSICA 2,983,640
REDMER, JESSICA 2,983,648
REEVES, ANGELA 2,981,160
REEVES, PATRICK 2,983,762

REFRIDGERATED TRANSPORT TECHNOLOGIES LLC 2,983,418
REGENERON PHARMACEUTICALS, INC. 2,967,432
REGENERON PHARMACEUTICALS, INC. 2,967,602
REGENERON PHARMACEUTICALS, INC. 2,967,820
REGENERON PHARMACEUTICALS, INC. 2,980,771
REGENERON PHARMACEUTICALS, INC. 2,980,915
REGO, JEFFREY R. 2,980,160
REICH, TAL 2,982,063
REICHELDERFER, MARK 2,967,867
REIK, ANDREAS 2,984,013
REIMANN, STEFAN 2,982,844
REISKIND, ANDREW 2,983,412
RENSLO, ADAM R. 2,983,927
RENTSCH, ANDREAS 2,983,358
RESIAK, BERNARD 2,980,878
RESTREPO, DAVID 2,980,168
RETAILMENOT, INC. 2,980,160
REUSCH, UWE 2,983,706
REUTER, HARDY 2,983,892
REY, DIEGO ARIEL 2,983,408
REYNOLDS, DAVID C. 2,983,470
REZAEI, SANAZ 2,956,230
RHODIA OPERATIONS 2,983,671
RHYTHM DIAGNOSTIC SYSTEMS, INC. 2,983,771
RICCI, ANTONIO 2,983,908
RICCI, GIOVANNI 2,983,449
RICHARD, JEAN-CHRISTOPHE 2,983,713
RICHARD, JEAN-CHRISTOPHE 2,983,717
RICHARD, SEBASTIEN 2,983,674
RICHMOND, JOSHUA 2,969,554
RICHMOND, NOLAN 2,983,073
RICHTER, THOMAS 2,981,194
RICHTER, THOMAS 2,981,221
RIDDELL, STANLEY R. 2,965,347
RIEL, LOUIS-PHILIPE 2,983,655
RIGBY, JONATHAN 2,967,899
RIGOBERT, CAROLINE 2,983,384
RIGOLLOT, MARCEAU 2,983,713
RIGOLLOT, MARCEAU 2,983,717
RILEY, THOMAS M. 2,983,767
RILEY, WILLIAM W. 2,983,791
RILLARD, JEAN 2,983,775
RINGGENBERG, JUSTIN 2,983,921
RIOUX, PATRICE 2,966,879
RITTER, DAVID ROBERT 2,983,915
RITTMEYER, PETER 2,983,362
RIVA, ORIANA 2,983,279
RIZK, SAID 2,983,392
ROBAK, BARBARA 2,981,121
ROBAK, BARBARA 2,981,128
ROBERTS, JAMES 2,983,636
ROBERTS, MATTHEW 2,980,320
ROBERTSON, PATRICK 2,983,579
ROBINSON, KALIN 2,983,243
ROBISSON, AGATHE 2,980,722
RODGERS, BUEL DANTESE 2,983,808
RODNEY, PAUL F. 2,980,855
ROE, DONALD CARROLL 2,980,145
ROE, DONALD CARROLL 2,980,146
ROE, DONALD CARROLL 2,980,148
ROEHRL, JONATHAN J. 2,983,916
ROGERS, DANIEL J. 2,983,096
ROGOZA, JAROSLAW 2,981,128
ROHM AND HAAS COMPANY 2,983,702
ROMAN, ZOLTAN 2,980,553
ROMANO, CARMELO 2,967,432
ROMANOV, VLADIMIR 2,983,805
RONN, MAGNUS P. 2,964,957
ROSEMOUNT ANALYTICAL INC. 2,979,723
ROSENCRANCE, SCOTT 2,983,212
ROSS, DAVYEON D. 2,980,587
ROSS, SHERYL 2,983,747
ROSSIGNOL, MICHEL 2,983,704
ROTH, GREGORY BRANCHEK 2,980,590
ROTHBERG, JONATHAN M. 2,966,334
ROTHBERG, JONATHAN M. 2,966,356
ROTHBERG, JONATHAN M. 2,966,359
ROTHBERG, JONATHAN M. 2,983,448
ROUCHON, VIRGILE 2,983,775
ROUTE 92 MEDICAL, INC. 2,983,072
ROUX, MARIO 2,983,948
ROVI GUIDES, INC. 2,983,934
ROWSON, JAMES THOMAS PHILIP 2,982,969
ROZAMUS, LEONARD W. 2,965,169
RPL HOLDINGS LIMITED 2,980,969
RUAN, YIJUN 2,980,769
RUAN, YUAN 2,983,479
RUBIN, VANESSA LISBETH 2,983,041
RUDD, STACEY ERIN 2,983,459
RUDNICKI, MICHAEL A. 2,980,113
RUDOLPH, MARKUS 2,983,782
RUEHER, DANIEL 2,983,908
RUFFO, MATTHEW J. 2,983,298
RUMPF, FREDERICK H. 2,983,470
RUSANOVSKYY, DMYTRO 2,979,075
RUSSELL, CLAIRE JANET 2,980,824
RUSSELL, MARK N. 2,983,334
RUSSELL, SALLY ELIZABETH 2,980,824
RUSSO, ANDREW F. 2,983,041
RUTLEDGE, MARK 2,984,083
RUZICA, PAUL J. 2,983,298
RUZICKA, PAVEL 2,983,123
SABAT, PAU MATO 2,982,894
SABOUNJIAN, LUANN A. 2,981,791
SADABA ZUBIRI, IRANTZU 2,983,397
SAELIM, TANTIMA 2,983,586
SAELIM, TANTIMA 2,983,587
SAELIM, TANTIMA 2,983,591
SAELIM, TANTIMA 2,983,607
SAFFRE, FREDERIC 2,983,552
SAFRAN 2,983,673
SAFRAN AIRCRAFT ENGINES 2,983,673
SAFRAN AIRCRAFT ENGINES 2,983,968
SAFRAN AIRCRAFT ENGINES 2,983,970
SAFRAN ELECTRICAL & POWER 2,983,363
SAFRAN HELICOPTER ENGINES 2,983,187
SAFRAN HELICOPTER ENGINES 2,983,383
SAHA, DIPANJAN 2,983,473
SAINI, GAGAN 2,983,115
SAINT JEAN INDUSTRIES 2,981,374
SAINT-GOBAIN GLASS FRANCE 2,981,124
SAINT-GOBAIN GLASS FRANCE 2,981,682
SAINT-GOBAIN GLASS FRANCE 2,983,670
SAINT-GOBAIN ISOVER 2,981,162
SAINT-GOBAIN ISOVER 2,983,565
SAITO, BUNNAI 2,983,391
SAITO, TOMOKAZU 2,984,098
SAKASE, TAKAO 2,983,413
SAKURA FINETEK U.S.A., INC. 2,983,930
SALEH, AMGAD 2,967,662
SALEM, DAVID R. 2,981,481
SALIMI, HIWA 2,983,350
SALIMI, HIWA 2,983,353
SALK INSTITUTE FOR BIOLOGICAL STUDIES 2,983,268
SALLSTIG, PETER 2,966,646
SALMELA, JUHA 2,983,484
SALOMON, PIERRE 2,981,162
SALUDA MEDICAL PTY LTD 2,983,333
SALUDA MEDICAL PTY LTD 2,983,336
SALVATIERRA, RODRIGO V. 2,983,601
SALVO, GIOVANNI 2,983,621
SAMI LABS LIMITED 2,967,952
SAMUEL, GEOFFREY ANDREW 2,983,662
SANCHEZ, NEVADA J. 2,983,444
SANDEROVICH, AMICHAI 2,979,050
SANDERS, PAUL 2,968,104
SANGAMO THERAPEUTICS, INC. 2,984,013
SANKARAN, NATARAJAN 2,967,952
SANO, OSAMU 2,983,391
SANOFI BIOTECHNOLOGY 2,967,602
SARDEHELI, YOMTOV 2,983,676
SARRAFAN, ATABAK 2,983,860
SAUDI ARABIAN OIL COMPANY 2,983,101
SAUER, ANDREW JAMES 2,979,839
SAUER, ANDREW JAMES 2,980,145
SAUER, ANDREW JAMES 2,980,146
SAVONNET, MARIE 2,981,162
SAYAVICH, WILLIAM E. 2,983,149
SCALLEY-KIM, MICHELLE 2,983,041
SCEKIC, VLADIMIR 2,983,947
SCHADT, LUTZ 2,980,973
SCHAEDLER, AXEL 2,983,588
SCHAEDLER, AXEL 2,983,595
SCHAEPE, KATIE 2,964,963
SCHAFER, JOACHIM 2,983,612
SCHAMBYE, HANS 2,983,198

SCHATZLEIN, ANDREAS 2,966,592
SCHEEL, CHRISTINA H. 2,980,852
SCHERER, STEFAN 2,983,362
SCHIAVONI, MICHELE 2,981,682
SCHIFF-DEB, CELINE 2,980,942
SCHILM, JOCHEN 2,980,973
SCHLEIERMACHER, STEPHAN 2,983,561
SCHLUMBERGER CANADA LIMITED 2,980,722
SCHLUMBERGER CANADA LIMITED 2,980,731
SCHMID, MARTIN 2,983,614
SCHMID, MATTHEW LOGAN 2,980,281
SCHMIDT, ERNST L. 2,982,919
SCHMIDT, ERNST L. 2,982,921
SCHMIDT, ERNST L. 2,982,939
SCHMIDT, ULI 2,983,332
SCHMIDT, WERNER 2,966,646
SCHMITZ, JOZEF PETRUS JOHANNES 2,983,776
SCHMITZ, PETRA 2,983,782
SCHNEIDER, DOMINIQUE 2,981,570
SCHOENENBERGER, CATHERINE 2,983,679
SCHOENITZ, MARTIN 2,983,768
SCHOFER, SVEN 2,983,631
SCHUH, MATHEW 2,983,766
SCHULTZ, CHARLES 2,983,909
SCHULTZ, ROGER L. 2,983,253
SCHULTZ, ROGER L. 2,983,660
SCHULTZ, ROGER L. 2,983,807
SCHULZ, ANGELIKA 2,983,367
SCHUMACHER, KARL-HEINZ 2,981,113
SCHUMACHER, MARK S. 2,979,723
SCHUMACHER, NICOLAS 2,983,478
SCHUTTLER, DAVID L. 2,983,309
SCHWAN, PETER 2,983,884
SCHWARZ, MICHAEL 2,983,763
SCHWIENTEK, PATRICK 2,980,723
SCHWINTNER, CAROLE 2,983,194
SCIACCA, CATHI 2,983,609
SCIENTIFIC GAMES HOLDINGS LIMITED 2,983,657
SCOLA, PAUL MICHAEL 2,980,147
SEAL AND PACK CO., LTD 2,982,918
SEATRIEVER INTERNATIONAL HOLDINGS LIMITED 2,983,245
SEEFELD, MARK ANDREW 2,968,029
SEEFELD, MARK ANDREW 2,968,030
SEEFELD, MARK ANDREW 2,968,032
SEIFERT, DIRK 2,983,641
SEIFERT, DIRK 2,983,646
SEIFERT, DIRK 2,983,649
SEIPEL, CHRISTOPH 2,981,194
SEIPEL, CHRISTOPH 2,981,221
SEITZ, AARON DUANE 2,979,839
SEITZ, BORIS 2,983,384
SEKIDO, YUKI 2,983,812
SEKIYA, HIROSHI 2,983,778
SELA, GAL 2,976,573
SELENIUS, PASI 2,983,484
SELF-SUSPENDING PROPPANT LLC 2,981,182
SELL, GARRETT 2,980,942
SELLE, PAUL 2,982,830
SEMB, HENRIK 2,983,764
SEMENZA, GREGG L. 2,981,742
SERRE, GUILLAUME 2,982,216
SEYMOUR, GRAHAM 2,980,885
SEYR, MARTIN 2,983,641
SHAH, AMIT D. 2,983,930
SHAH, CHINTAN 2,983,160
SHAH, KHALID 2,967,951
SHAPEWAYS, INC. 2,982,767
SHAPIRO, DAVID 2,983,609
SHARMA, NEIL 2,981,160
SHARMA, PRADEEP 2,965,169
SHARON, EYAL MICHAEL 2,980,281
SHARP, JEFFREY A. 2,983,878
SHAW, DEREK R. 2,983,096
SHEIKH, FAIZAN 2,983,944
SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B.V. 2,983,556
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. 2,966,629
SHEPS, TAL 2,982,063
SHERRILL, AMY WHITEMAN 2,981,072
SHI, GUANGDA 2,981,325
SHI, YUN 2,980,960
SHIFFERT, NICHOLAS J. 2,980,160
SHIGA, SHINGO 2,983,569
SHIIBASHI, TADASHI 2,983,573
SHIMAZOE, TOSHIHIRO 2,983,693
SHIMOGORI, MIKI 2,983,989
SHIMOYAMA, SATORU 2,983,814
SHIN, MIKYUNG 2,980,116
SHINBUTSU, TOSHINAKA 2,984,100
SHIONOGI & CO., LTD. 2,983,721
SHIRE HUMAN GENETIC THERAPIES, INC. 2,967,382
SHMULEWITZ, ASCHER 2,984,088
SHOJI, SHUICHI 2,983,812
SHOTTRACKER, INC. 2,980,587
SHOUJI, MITSUHIRO 2,983,441
SHULEPOV, ILYA DMITRIEVICH 2,983,432
SI GROUP, INC. 2,964,964
SIAL, AISHA 2,976,573
SIDEKICK USA, LLC 2,983,596
SIEH, JOHN K. 2,981,610
SIEJKO, PAWEL 2,980,870
SIEMENS AKTIENGESELLSCHAFT 2,982,953
SILVA ZOLEZZI, IRMA 2,983,685
SILVESTRINI, LAURENT 2,983,670
SIMAKOV, DMITRIY ALEKSANDROVICH 2,983,583
SIMON FRASER UNIVERSITY 2,983,860
SIMON, CHRISTOPHE 2,983,674
SINGER, KYLE D. 2,980,587
SINGH, PRABHDEEP 2,983,109
SINGH, PRABHDEEP 2,983,124
SINGH, SHARAT 2,965,095
SISCO, DAVID 2,983,243
SISK, MICHAEL A. 2,983,599
SITTER, BRETT J. 2,980,735
SIXTO, ROBERT 2,983,488
SKAGERLIND, JAN PETER 2,980,836
SKC CO., LTD. 2,983,917
SKOGO, MARTEN 2,983,015
SKORA, ANDREW 2,980,292
SKYROBOT INC. 2,983,896
SLJIVIC, NENAD 2,983,891
SLONE, CHRISTOPHER M. 2,976,332
SMART WAVE TECHNOLOGIES CORP. 2,983,872
SMICK, THEODERE H. 2,983,413
SMITH, ALEXANDER D. 2,983,494
SMITH, ALEXANDER D. 2,983,497
SMITH, ALISTAIR 2,983,439
SMITH, BRYAN JOHN 2,983,770
SMITH, DAVID 2,967,738
SMITH, ERIC 2,967,820
SMITH, IAN EDWARD DAVID 2,983,414
SMITH, JEFFREY T.L. 2,983,041
SMITH, MATTHEW 2,980,553
SMITH, STEPHEN 2,980,936
SMITHS DETECTION - WATFORD LIMITED 2,964,304
SMITHS DETECTION MONTREAL INC. 2,983,805
SMITHS MEDICAL ASD, INC. 2,983,401
SMOLKE, CHRISTINA D. 2,983,419
SMOLKE, CHRISTINA D. 2,983,445
SOCCOLICH, CARL EDMUND 2,978,430
SODASTREAM INDUSTRIES LTD. 2,983,958
SODERSTROM, HENRIK 2,983,622
SOFFIATTI, RENZO 2,981,701
SOLE ROJALS, JOEL 2,979,075
SOLED, STUART LEON 2,966,887
SOLVAY SA 2,983,473
SOMASUNDARAM, MANOKANTHAN 2,983,797
SOMMAZZI, ANNA 2,983,449
SONABEND, ROBERTO 2,983,741
SONDERMANN, UDO 2,983,701
SONNTAG, PHILIPPE 2,981,648
SONNTAG, PHILIPPE 2,981,655
SONY CORPORATION 2,980,689
SONY CORPORATION 2,980,694
SOROKOPUD, BORIS 2,983,912
SOURDILLE, PHILIPPE 2,980,218
SOUTH DAKOTA BOARD OF REGENTS 2,981,481
SOWERS, LEVI P. 2,983,041
SPEARS, KARL 2,983,921
SPEECE, DAVID G., JR. 2,983,702
SPENCE, GRAHAM 2,983,957
SPENDER, JONATHAN 2,983,443
SPHINGOTEC GMBH 2,983,542
SPINNOVA OY 2,983,484
SPIZIRI, ANDREW 2,983,288
SPOHN, MICHAEL 2,983,589
SPOORMAKER, TOM (DECEASED) 2,983,599
SPRINGER, STACI 2,980,942

SRI GOPALA KRISHNA MURTHI, SANKARA SUBRAMANIAN 2,983,370
SRIMOHANARAJAH, KIRUSHA 2,976,573
ST-ONGE, GUILLAUME 2,983,656
ST. JUDE CHILDREN'S RESEARCH HOSPITAL, INC. 2,983,593
STADLBAUER, WOLFRAM 2,983,900
STAFFORD, JEFFREY ALAN 2,983,446
STANLEY, SCOTT KENDYL 2,983,340
STANSFIELD, RYAN 2,983,446
STAPFNER, JOHANN 2,982,953
STARKS, THOMAS RAY, II. 2,980,988
STEADYMED LTD 2,967,899
STEAK'N SHAKE ENTERPRISES, INC. 2,979,799
STEELE, NICHOLAS 2,983,439
STEGELMANN, OLIVER 2,983,031
STEINEGER, HILDE 2,983,377
STEINER, MATTHEW 2,980,273
STERRITT, CARL ANDREW 2,965,096
STEVENS, HOWARD NORMAN ERNEST 2,967,738
STEWART, ERICA 2,983,041
STEWART, KEVIN J. 2,977,884
STIRES, EMILY 2,983,392
STOCKREITER, WOLFGANG 2,983,406
STOFFEL, NEAL J. 2,983,608
STOLKA, PHILIPP JAKOB 2,983,145
STOLL, ARMIN 2,983,362
STOLTZ, RICHARD 2,980,168
STOLZ, RICH JOHN 2,981,724
STONE, THEODORE J. 2,983,310
STOVNER, ENDRE BAKKEN 2,980,975
STRADA SIGN SUPPLY INC. 2,983,349
STRAKA, JAROMIR 2,983,480
STRENZKE, HILMAR 2,983,663
STRIEDNER, GERALD 2,983,894
STROH, THORSTEN 2,983,619
STROH, THORSTEN 2,983,623
STROH, THORSTEN 2,983,626
STUHRMANN, JAN 2,983,381
SU, ELLEN 2,983,613
SUAREZ, ANDREA 2,983,488
SUBHAASH, THACHANPARAMBATH KUTTAPPA 2,983,516
SUBLET, YANNICK ANDRE 2,982,894
SUGANUMA, HIROSHI 2,983,792
SUGIYAMA, YOKO 2,983,792
SUIKKANEN, TIINA 2,983,900
SULLIVAN, BRIAN 2,983,684
SULLIVAN, BRYCE A.R. 2,980,942
SULLIVAN, ERIC 2,983,351
SUMITOMO DAINIPPON PHARMA CO., LTD. 2,983,609
SUMITOMO ELECTRIC INDUSTRIES, LTD. 2,983,585
SUMITOMO ELECTRIC INDUSTRIES, LTD. 2,983,792
SUN, BENJAMIN JIEMIN 2,981,062
SUN, HONG 2,980,981
SUN, LI-QIANG 2,980,147
SUN, LIPING L. 2,966,362
SUNDELL, MATS 2,983,478
SURTI, TANVI 2,982,957
SURUSHE, ABHISHEK PRAKASH 2,979,839
SURUSHE, ABHISHEK PRAKASH 2,980,145
SURUSHE, ABHISHEK PRAKASH 2,980,146
SURUSHE, ABHISHEK PRAKASH 2,980,148
SUSAVION BIOSCIENCES, INC. 2,983,666
SUSSMAN, MICHAEL RICHARD 2,967,867
SUZUKI, HIDEO 2,983,378
SUZUKI, TAKESHI 2,983,907
SUZUKI, TOSHIYA 2,983,388
SUZUKI, TOSHIYA 2,983,576
SWAGELOK COMPANY 2,983,777
SWANSON, BRIAN N. 2,967,602
SWEDISH ORPHAN BIOVITRUM AB (PUBL) 2,983,783
SWEENEY, SEAN DAVID 2,983,800
SWIETLOW, ALEKSANDER 2,980,960
SYMBOL TECHNOLOGIES, LLC 2,983,119
SYN-NAT PRODUCTS ENTERPRISE LLC 2,983,411
SYNAPTIVE MEDICAL (BARBADOS) INC. 2,956,230
SYNAPTIVE MEDICAL (BARBADOS) INC. 2,969,554
SYNAPTIVE MEDICAL (BARBADOS) INC. 2,976,573
SYNEXIS LLC 2,983,831
SYNGENTA PARTICIPATIONS AG 2,980,824
SYNTHOS S.A. 2,981,121
SYNTHOS S.A. 2,981,128
SZE, DANIEL HUE MING 2,982,683
SZETO, ANDREW EUGENE 2,980,719
SÆTROM, PAL 2,980,975
TAARNING, ESBEN 2,983,397
TABLEMARK CO., LTD. 2,983,421
TACHIBANA, MASAHIRO 2,983,578
TACHIBANA, TAKAHIRO 2,983,572
TACY, GENE 2,979,894
TAGO, CHARLIE 2,983,339
TAIRX, INC. 2,983,769
TAKAHASHI, KAZUYUKI 2,980,689
TAKEDA PHARMACEUTICAL COMPANY LIMITED 2,978,223
TAKEDA PHARMACEUTICAL COMPANY LIMITED 2,983,391
TAKEI, KAZUHITO 2,983,578
TAKEMASU, TERUIE 2,984,100
TAKEOKA, SHINJI 2,983,812
TALASAZ, AMIRALI 2,983,833
TALBOT-LANCIAULT, ALICIA 2,983,656
TALMA, AUKE GERARDUS 2,981,210
TAMBWEKAR, KAUSTUBH 2,981,601
TAMURA, TOSHIYUKI 2,983,569
TAN, MIN PAU 2,967,284
TAN, RUNYU 2,982,510
TANAKA, RYUICHIRO 2,983,989
TANAKA, SATORU 2,983,721
TANAKA, YASUHARU 2,983,576
TANAKA, YUTA 2,983,391
TANGUY, LAURENT 2,981,976
TANIZAWA, JUNKO 2,983,421
TANNER, T. SCOTT 2,983,579
TANOUE, HIROYUKI 2,983,576
TAOKA, IKUKO 2,983,609
TASAKI, HIROAKI 2,983,400
TAUB, ARYEH BENJAMIN 2,956,230
TAYLOR, BENJAMIN PARRY 2,983,046
TAYLOR, COLLEEN S. 2,980,723
TAYLOR, R. JAMES 2,983,804
TECRES S.P.A. 2,981,701
TEELE, ROBERT WILLIAM 2,982,593
TEGELS, ZACHARY J. 2,983,002
TEMTEM, MARCIO 2,981,100
TENDYNE HOLDINGS, INC. 2,983,002
TEPHA, INC. 2,983,392
TERCEL OILFIELD PRODUCTS USA LLC 2,982,925
TEREX MHPS GMBH 2,983,779
TERRAVIA HOLDINGS, INC. 2,980,942
TETLOW, IAN 2,984,016
TETRAPHASE PHARMACEUTICALS, INC. 2,964,957
THAMAN, HITANSHI 2,983,439
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY 2,983,419
THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNOR UNIVERSITY 2,983,445
THE BRIGHAM AND WOMEN'S HOSPITAL, INC. 2,980,730
THE BRIGHAM AND WOMEN'S HOSPITAL, INC. 2,983,794
THE BRIGHAM AND WOMEN'S HOSPITAL, INC. 2,983,796
THE CHEMOURS COMPANY FC, LLC 2,983,599
THE GENERAL HOSPITAL CORPORATION 2,983,762
THE JACKSON LABORATORY 2,980,769
THE JOHNS HOPKINS UNIVERSITY 2,980,292
THE JOHNS HOPKINS UNIVERSITY 2,981,742
THE JOHNS HOPKINS UNIVERSITY 2,982,671
THE PENN STATE RESEARCH FOUNDATION 2,981,773
THE PROCTER & GAMBLE COMPANY 2,979,839
THE PROCTER & GAMBLE COMPANY 2,980,145

THE PROCTER & GAMBLE COMPANY 2,980,146
THE PROCTER & GAMBLE COMPANY 2,980,148
THE PROCTER & GAMBLE COMPANY 2,981,620
THE PROCTER & GAMBLE COMPANY 2,983,340
THE PROCTER & GAMBLE COMPANY 2,983,452
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 2,966,772
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 2,983,927
THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE 2,983,992
THE REGENTS OF THE UNIVERSITY OF MICHIGAN 2,980,936
THE UNIVERSITY OF BRITISH COLUMBIA 2,983,562
THE UNIVERSITY OF BRITISH COLUMBIA 2,983,804
THE UNIVERSITY OF IOWA RESEARCH FOUNDATION 2,983,041
THE UNIVERSITY OF MELBOURNE 2,983,459
THE UNIVERSITY OF NOTTINGHAM 2,980,885
THEIS, UWE 2,982,384
THELU, JACQUES 2,981,570
THEOPOLD, TOBIAS 2,983,663
THERAPIX BIOSCIENCES LTD. 2,984,088
THIBAULT, SIMON 2,983,656
THODEY, CATHERINE 2,983,419
THODEY, CATHERINE 2,983,445
THOMAS, ANITHA 2,983,804
THOMAS, BEENA E. 2,983,918
THOMSON LICENSING 2,984,076
THOONEN, SANDER HENDRIKUS LAMBERTUS 2,983,518
THORNTON, GREG 2,980,498
THORWID, PETER 2,983,628
THRU TUBING SOLUTIONS, INC. 2,983,253
THRU TUBING SOLUTIONS, INC. 2,983,660
THRU TUBING SOLUTIONS, INC. 2,983,807
THURSTON, GAVIN 2,967,820
TIAN, BIN 2,980,674
TIAN, GENGWEN 2,983,434
TICHY, STANISLAV 2,983,480
TIERNEY, JOHN 2,983,386
TIGENIX, S.A.U 2,983,950
TITAN MEDICAL INC. 2,984,092
TO, ELAINE 2,983,337
TOBII AB 2,983,015
TODD, MICHAEL 2,980,326
TOGNETTI, DAVID L. 2,983,409
TOKACH, THOMAS J. 2,983,899
TOKYO METROPOLITAN INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE 2,983,722
TOMBE, TOSHIHIRO 2,983,790
TOMIZAWA, MASAHITO 2,983,578
TOMMASI, RUBEN 2,966,632
TONG, CHEE CHEN 2,982,957
TORAY INDUSTRIES, INC. 2,983,575
TORAY INDUSTRIES, INC. 2,983,812
TORAY INDUSTRIES, INC. 2,983,814
TOSUN, ZEHRA 2,983,486
TOTAL MARKETING SERVICES 2,981,628
TOTANI CORPORATION 2,982,722
TOTANI, MIKIO 2,982,722
TOUR, JAMES M. 2,983,601
TOUSSAINT, BERTRAND 2,981,570
TOYO SEIKAN CO., LTD. 2,983,718
TOYO SEIKAN GROUP HOLDINGS, LTD. 2,983,718
TRAAG, BJORN A. 2,980,723
TRANSITIONS OPTICAL, LTD. 2,977,884
TRASER, STEFFEN 2,983,539
TREDER, MARTIN 2,983,706
TREMENTOZZI, ANDREA 2,967,647
TRENCHARD, ISIS 2,983,419
TRENCHARD, ISIS 2,983,445
TRENT UNIVERSITY 2,984,041
TRI ALPHA ENERGY, INC. 2,983,344
TRIBUNE BROADCASTING COMPANY, LLC 2,979,718
TRICARICO, GIOVANNI ALESSANDRO 2,983,342
TRIG 1 LIMITED 2,982,529
TRIPLETT, DANIEL J. 2,980,760
TROFIMENKO, NIKOLAI 2,980,973
TRU-SCIENCE, LLC 2,983,823
TRUE HEALTH IP LLC 2,965,165
TRUE HEALTH IP LLC 2,965,172
TSAO, YEOU-PING 2,983,962
TSAO, YEOU-PING 2,983,977
TSCHOPP, RAQUEL 2,983,442
TSUNASHIMA, DAISUKE 2,983,400
TSUYUKI, TAKESHI 2,983,399
TSUZUKI, KEN 2,983,691
TUHAMI, EAMON 2,982,519
TUL, ANDRZEJ 2,980,870
TULCHINSKY, EVA JEAN 2,981,620
TURANOV, ANTON A. 2,980,339
TURBODEN SPA 2,983,902
TURKNETT, JOHN 2,983,410
TURNBULL, RUSSELL 2,983,947
TURNER, BARRY S. 2,983,430
TURNER, DAVID 2,983,927
TURPEN, JOSEPH 2,977,884
TUVIGNON, PATRICK 2,981,570
TWI BIOTECHNOLOGY, INC. 2,983,394
TX INNOVATIONS B.V. 2,981,588
TY-FLOT, INC. 2,983,817
TYLER, DAVID 2,983,919
TZOULAKI, DESPINA 2,983,397
UBY, LARS 2,980,671
UCB BIOPHARMA SPRL 2,981,631
UCB BIOPHARMA SPRL 2,983,537
UCB BIOPHARMA SPRL 2,983,770
UCHEGBU, IJEOMA 2,966,592
UKAI, NOBUYUKI 2,983,378
ULANDER, LARS JOHAN ANDREAS 2,983,668
UMEYA, MASANORI 2,983,398
UNDERNEHR, CHRISTOPHER L. 2,983,410
UNEBACK, INGEMAR 2,983,402
UNITED INITIATORS GMBH 2,983,374
UNITED INITIATORS GMBH 2,983,658
UNITED PARCEL SERVICE OF AMERICA, INC. 2,983,243
UNITED PARCEL SERVICE OF AMERICA, INC. 2,983,247
UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS 2,983,909
UNITED STATES POSTAL SERVICE 2,983,745
UNIVATION TECHNOLOGIES, LLC 2,981,724
UNIVERSITE D'AIX MARSEILLE 2,983,365
UNIVERSITE D'EVRY VAL D'ESSONNE 2,983,364
UNIVERSITE DE MONTPELLIER 2,983,365
UNIVERSITE DU QUEBEC A CHICOUTIMI 2,983,948
UNIVERSITE GRENOBLE ALPES 2,981,570
UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC. 2,978,471
UNIVERSITY OF COPENHAGEN 2,983,764
UNIVERSITY OF ESSEX ENTERPRISES LIMITED 2,979,837
UNIVERSITY OF GUELPH 2,984,016
UNIVERSITY OF MAINE SYSTEM BOARD OF TRUSTEES 2,983,443
UNIVERSITY OF MAINE SYSTEM BOARD OF TRUSTEES 2,983,616
UNIVERSITY OF MASSACHUSETTS 2,980,337
UNIVERSITY OF MASSACHUSETTS 2,980,339
UNIVERSITY OF SASKATCHEWAN 2,983,350
UNIVERSITY OF SASKATCHEWAN 2,983,353
UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION 2,983,403

Index des demandes PCT entrant en phase nationale

UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION 2,983,426
UNIVERSITY OF UTAH RESEARCH FOUNDATION 2,966,422
UOZUMI, TETSUO 2,984,097
URIBE, CARLOS GOMEZ 2,980,326
UTI LIMITED PARTNERSHIP 2,983,624
UTTING, LEWIS 2,983,393
UZUN, AHMET 2,983,779
VAIDYANATHAN, PRITI 2,967,952
VAJAPEYAM, MADHAVAN SRINIVASAN 2,980,344
VALLEJO, RICARDO 2,983,582
VALLOUREC OIL AND GAS FRANCE 2,981,634
VALLOUREC OIL AND GAS FRANCE 2,981,640
VALLOUREC OIL AND GAS FRANCE 2,981,681
VALTECH CARDIO LTD. 2,982,063
VAMPOLA, JOHN L. 2,979,035
VAN BERKEL, PATRICIUS HENDRIKUS CORNELIS 2,981,920
VAN DEN BERG, JAN 2,983,167
VAN DER GRIEND, HANS 2,983,518
VAN DER MEER, ANDRIES 2,983,821
VAN DER OOST, JOHN 2,983,567
VAN DER SCHUUR, JAN MARTIJN 2,981,210
VAN DORE, JONATHAN P. 2,983,637
VAN DYKE, SCOTT 2,983,664
VAN HEININGEN, ADRIAAN 2,983,443
VAN KANN, ANDREAS 2,982,414
VAN LOYEN, DIETMAR 2,983,384
VAN NATTA, BRUCE 2,983,392
VANASSE, THOMAS M. 2,983,650
VANDENBROECK, JAN 2,983,348
VANVORST, DIRK B. 2,980,587
VARADI, ANDRAS 2,983,314
VARGHESE, BINDU 2,967,820
VARIA, MEGHAL 2,983,797
VASUDEVAN, KALYAN 2,967,647
VEAL, JAMES MARVIN 2,983,446
VECCHIA, GIULIANO 2,983,566
VENNSTROM, ANDERS 2,983,015
VERHEIJEN, JEROEN CUNERA 2,966,632
VERKERK, UDO 2,983,805
VERLEENE, ARNAUD 2,981,634
VERLEENE, ARNAUD 2,981,640
VERLEENE, ARNAUD 2,981,681
VERSALIS S.P.A. 2,983,449
VERTEX PHARMACEUTICALS INCORPORATED 2,968,130
VESCIO, PAUL 2,980,915
VESTER, ANDREA 2,983,884
VETTER PHARMA-FERTIGUNG GMBH & CO. KG 2,983,544
VIA SURGICAL LTD. 2,983,568
VICENTE, JOAO 2,981,100
VICK, KEVIN JAMES 2,983,422
VIDAKOVIC, MLADEN 2,981,747
VIDLUND, ROBERT M. 2,983,002
VIEIRA, ERIC 2,983,908
VILK, GREGORY JOHN ADAMS 2,983,806
VILLARS, CURTIS 2,983,412
VISA EUROPE LIMITED 2,983,684
VISA INTERNATIONAL SERVICE ASSOCIATION 2,983,742
VISELLI, ANTHONY M. 2,983,616
VITAL, PAULO JORGE VIEIRA 2,983,563
VLADYKA, RONALD SAMUEL 2,967,662
VLASOPOULOS, NIKOLAOS 2,983,361
VOGELAAR, BASTIAAN MAARTEN 2,983,518
VOGELSTEIN, BERT 2,980,292
VOGLEWEDE, BRENDAN 2,983,113
VOGLEWEDE, DANIEL BRENDAN 2,982,940
VOGT, CEDRIC 2,981,634
VOGT, CEDRIC 2,981,640
VOGT, CEDRIC 2,981,681
VOITH PATENT GMBH 2,983,614
VOLCHECK, WILLIAM M. 2,964,963
VOLL, ULRICH 2,980,878
VOLPERT, EDGAR 2,983,374
VOLPERT, EDGAR 2,983,658
VOMSCHEID, SOPHIE 2,983,674
VON GRAVROCK, EINARAS 2,983,429
VONGA, MOHANDAS N. 2,983,410
VOORDOUW, GERRIT 2,983,624
VORNLOCHER, HANS-PETER 2,980,975
VOS, PAULUS BARTHOLOMEUS JACOBUS 2,980,107
VOSS, CHAD 2,983,288
VULKAN, ROEE 2,980,281
W. L. GORE & ASSOCIATES, INC. 2,980,676
WADA, SHINJI 2,983,686
WAGENER, JEFFERSON L. 2,978,430
WAGENINGEN UNIVERSITEIT 2,983,567
WAGNER, ANDREAS 2,980,975
WAHLSTROM, NIKLAS HAKAN 2,983,559
WAL-MART STORES, INC. 2,983,410
WALDMAN, LARRY 2,983,288
WALDNER AG 2,983,502
WALDNER AG 2,983,504
WALDNER AG 2,983,509
WALDNER AG 2,983,513
WALSH, COLIN 2,983,804
WAN, LI 2,966,758
WANG, DAVID 2,983,339
WANG, KE 2,981,008
WANG, SHANSHAN 2,981,362
WANG, SHU KUI 2,981,755
WANG, TAO 2,983,702
WANG, TZA-HUEI J. 2,982,671
WANG, WEI 2,983,112
WANG, XIANG 2,983,992
WANG, YONGBAO 2,983,820
WANG, YOUXIANG 2,983,819
WANKHEDE, AMOL 2,983,286
WARBURTON, JAMES 2,966,646
WASHINGTON STATE UNIVERSITY 2,983,808
WASHME PROPERTIES, LLC 2,983,409
WASHME PROPERTIES, LLC 2,983,430
WATANABE, SEIGO 2,983,680
WATANABE, SEIGO 2,983,682
WATSON, BROCK W. 2,983,253
WATSON, BROCK W. 2,983,807
WEBER, BJORN 2,983,688
WEBER, BRIAN T. 2,980,735
WEDA, PAWEL 2,981,121
WEDA, PAWEL 2,981,128
WEI, JINSHENG 2,977,781
WEI, JINSHENG 2,977,783
WEI, SE HWANG 2,982,918
WEICHSELBERGER, ANDREAS 2,966,646
WEICKERT, GUNTER 2,983,423
WEIGEL, SCOTT J. 2,967,047
WEIS, NORBERT 2,983,382
WEITZEL, JORG 2,983,438
WEITZEL, JORG 2,983,442
WELCH, DOUGLAS S. 2,983,777
WELL STONE CO. 2,983,905
WELLINKS, INC. 2,983,613
WELTING, OLAF 2,983,652
WENDLINGER, LAURENT 2,967,179
WENING, KLAUS 2,983,485
WENING, KLAUS 2,983,499
WENING, KLAUS 2,983,634
WENING, KLAUS 2,983,638
WENING, KLAUS 2,983,640
WENING, KLAUS 2,983,642
WENING, KLAUS 2,983,648
WENNERBERG, JOHAN ANDERS 2,983,559
WERRIES, DIETER 2,982,414
WESSELINK, WILHELMUS JOHANNES 2,983,167
WESTON, SIMON CHRISTOPHER 2,967,047
WESTPHAL, BASTIAN 2,983,768
WESTROCK MWV, LLC 2,983,424
WETTEY, COLLINS 2,981,747
WGA WATER GLOBAL ACCESS, S.L. 2,983,371
WHITBY, CORINNE 2,979,837
WHITE, CHARLES 2,979,053
WHITE, CHARLES 2,979,054
WHITE, RYEN WILLIAM 2,983,109
WHITE, RYEN WILLIAM 2,983,124
WIENKE, DIETRICH 2,983,416
WIERCIENSKI, PAUL CHRISTOPHER JOHN 2,983,797
WIETELMANN, ULRICH 2,983,362
WILD, ANDRE 2,983,804
WILD, GAVIN BARRY 2,983,537
WILDE, MONIKA 2,983,894
WILES, GARY 2,983,065
WILLEQUET, OLIVIER 2,983,775
WILLIAM MARSH RICE UNIVERSITY 2,983,601
WILLIAMS, ARNEECE L. 2,983,745
WILLIAMS, ERIC L. 2,967,439

WILLIAMS, PETER C. 2,983,777
WILLIAMS, SPENCER JOHN 2,983,459
WILLICK, TODD 2,983,944
WILLINK, DAAN 2,981,210
WILLOUGHBY, ALASTAIR 2,983,100
WILLOUGHBY, ALASTAIR 2,983,103
WILSA HOLDINGS, LLC 2,983,827
WILSON, DAVID 2,983,684
WILSON, KEITH 2,966,887
WILSON, SCOTT D. 2,983,072
WINFIELD, SOPHIE 2,982,692
WING, PAULA A. 2,983,027
WINKLER, KARL 2,980,320
WINNEN, SINA 2,983,892
WISCONSIN ALUMNI RESEARCH FOUNDATION 2,967,867
WITCOMB, NEIL 2,969,554
WITCOMB, NEIL 2,976,573
WITTEKIND, DAVID 2,983,579
WOITASZEK, MATTHEW S. 2,983,410
WOLTER, HEINZ 2,983,806
WONG, BRIAN 2,980,460
WONG, PUI EE 2,967,284
WONG, TZU-TSHIN 2,983,391
WOOD, MICHAEL FRANK GUNTER 2,956,230
WOOLF, ANTHONY BRIAN 2,983,630
WORLDVU SATELLITES LIMITED 2,983,494
WORLDVU SATELLITES LIMITED 2,983,497
WRIGHT, CHRISTOPHER ALLEN 2,983,915
WRIGHT, EVAN 2,983,806
WROBEL, MACIEJ 2,983,773
WU, FRANK 2,984,024
WU, HAO 2,983,481
WU, TIANXIANG 2,983,969
WU, XIAOCHEN 2,983,733
WUHAN KAIDI ENGINEERING TECHNOLOGY RESEARCH INSTITUTE CO., LTD. 2,983,604
WURM, KARL 2,983,406
WURZBURGER, STEVEN 2,983,462
WUXI FORTUNE PHARMACEUTICAL CO., LTD. 2,983,481
WYLDE, JONATHAN 2,981,370
WYSOPAL, JAN C. 2,980,118
XERO LIMITED 2,983,799
XU, BEN 2,981,362
XU, DAIGEN 2,967,853
XU, HAO 2,978,958
XU, HAO 2,980,344
XU, JIAN FENG 2,981,755
XU, JIN 2,967,647
XU, SHAOGANG 2,981,210
XU, TIAN 2,966,334
XU, TIAN 2,966,356
XU, TIAN 2,966,359
XU, XIAOCHUN 2,966,887
XU, XIAOCHUN 2,967,047
XU, XIAOZHONG 2,983,881
XU, ZHIYUE 2,981,008
XUANZHU PHARMA CO., LTD. 2,984,024
XYLECO, INC. 2,983,454
XYLEM IP MANAGEMENT S.A R.L. 2,980,671
YAMADA, SHIGERU 2,983,431
YAMAGISHI, YASUAKI 2,980,694
YAMAMOTO, KENJI 2,983,720
YAMAMOTO, KENJI 2,983,989
YAMANE, IKURO 2,978,223
YAMANE, TAKETOSHI 2,980,694
YAMANISHI, DOUGLAS T. 2,983,930
YAMASHITA, TOSHIHIDE 2,983,898
YAMAZAKI, ETSUSHI 2,983,578
YANEV, IVO KOSTADINOV 2,983,417
YANEV, KOSTADIN DIMITROV 2,983,417
YANG, HUAXIANG 2,981,182
YANG, JIE 2,983,620
YANG, RUIDONG 2,981,481
YANG, ZHIJIE 2,983,819
YANO, HIROSHI 2,983,903
YE, SHUAI 2,980,583
YEAGER, JAMES L. 2,966,843
YEAGER, TERESA Y. 2,983,745
YERRAMALLI, SRINIVAS 2,979,071
YERRAMALLI, SRINIVAS 2,979,073
YODA, TOMONORI 2,983,379
YODA, TOMONORI 2,983,385
YODA, TOMONORI 2,983,571
YONEMORI, KAZUKO 2,983,391
YORDEM, ONUR S. 2,980,735
YOSHIDA, AIICHIRO 2,983,454
YOSHIDA, HIROSHI 2,983,388
YOSHIDA, HIROSHI 2,983,404
YOSHIDA, MITSURU 2,983,400
YOSHIDA, YUKI 2,983,578
YOSHIHIRA, MASANORI 2,983,680
YOSHIHIRA, MASANORI 2,983,682
YOSHIOKA, SHIGERU 2,983,378
YOU, JUN 2,983,340
YU, CHENGJIAO 2,981,008
YU, DANNY 2,967,662
YU, RUTH T. 2,983,268
YUAN, MING 2,967,432
YUDA, SHUITSU 2,983,585
YUN, JEE HUN 2,966,742
YUN, YUE 2,982,671
YVOLVE SPORTS LTD. 2,983,606
ZABORSZKI, STEPHEN J. 2,983,777
ZARLING, SVEN 2,983,649
ZAWANEH, PETER 2,967,645
ZAWANEH, PETER 2,967,647
ZEBDA, ABDELKADER 2,981,570
ZEC, HELENA C. 2,982,671
ZEIGLER, FRANK 2,983,832
ZENERINO, BEAT 2,980,498
ZENG, XIAN-MING 2,981,440
ZENG, YUHONG 2,966,758
ZENT, KEVIN J. 2,983,916
ZHAI, LEI 2,978,471
ZHANG, HUIXIANG 2,966,758
ZHANG, LEI 2,967,047
ZHANG, RUI (RAY) 2,967,619
ZHANG, WU-YAN 2,964,957
ZHANG, XIAOFENG 2,983,746
ZHANG, XIQUAN 2,983,475
ZHANG, XIYUN 2,983,620
ZHANG, YIHUA 2,966,402
ZHANG, YIHUA 2,966,404
ZHAO, LEI 2,981,008
ZHAO, MINGXUE 2,980,583
ZHAO, QIAN 2,980,147
ZHAO, RUI 2,983,475
ZHOU, HUANHUAN 2,983,604
ZHOU, JIA 2,980,919
ZHOU, JIA 2,980,981
ZHOU, JIA 2,980,988
ZHOU, SHIBIN 2,980,292
ZHOU, XIAOLAN 2,983,440
ZHOU, YAN 2,980,675
ZHU, SHITONG S. 2,980,722
ZIAI, JAMES 2,966,523
ZIMBRON, JULIO 2,983,602
ZODIAC DATA SYSTEMS 2,983,552
ZOROMSKY, SARA 2,983,243
ZOSIMADIS, PETER 2,983,872
ZWOLINSKI, ROBERT 2,967,899

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

3DBIOPSY LLC	2,983,856
AHMED, OSMAN	2,979,772
AHMED, RAFI	2,981,431
ALBERT, FABIAN	2,964,894
ALBERT, FABIAN	2,964,899
ALBERT, FABIAN	2,964,903
AMAZON TECHNOLOGIES, INC.	2,979,622
AMAZON TECHNOLOGIES, INC.	2,980,067
ANDERSON, KIM A.	2,981,441
ANZURES, FREDDY A.	2,983,178
APPLE COMPUTER, INC.	2,983,178
ARABSKYY, SERHIY	2,983,696
BAIKOWSKI	2,980,599
BARBER, DANIEL	2,981,431
BECTON, DICKINSON AND COMPANY	2,983,535
BELOSTOTSKI, LEO	2,965,056
BGC PARTNERS, INC.	2,982,084
BLACKBERRY LIMITED	2,964,695
BOGDAN, MARY	2,981,471
BONNEAU, LIONEL	2,980,599
BRAY, JAMES WILLIAM	2,964,715
BRUNO, LOUIS J.	2,964,612
BRUNO, LOUIS J.	2,964,613
BRUNO, LOUIS J.	2,964,987
BRUNO, LOUIS J.	2,964,989
BRUNO, LOUIS J.	2,964,992
BRUNO, LOUIS J.	2,964,994
BRUNO, LOUIS J.	2,965,020
BSH HAUSGERATE GMBH	2,944,077
BSH HOME APPLIANCES CORPORATION	2,944,077
BURNS, MARVIN DEAN	2,982,016
BURTON, DENNIS R.	2,980,883
BUTLER, GREGORY DEAN	2,964,750
CASE WESTERN RESERVE UNIVERSITY	2,983,500
CHAMBERLAIN, ADAM LEE	2,964,836
CHAN-HUI, PO-YING	2,980,883
CHAUDHRI, IMRAN	2,983,178
CHENEY, MARTIN (DECEASED)	2,981,471
CHOKHAWALA, RAHUL	2,964,715
CHRISTIE, GREG	2,983,178
CHU, LIANJIANG	2,927,967
CIECIUCH, JOHN	2,983,222
CLAPPER, JOSHUA E.	2,961,686
CULLINANE, J. TIM	2,983,920
CUNNINGHAM, CHARLES H.	2,964,945
DAIGLE, JEAN-CHRISTOPHE	2,928,121
DALZELL, RICHARD	2,980,613
DANA-FARBER CANCER INSTITUTE INC.	2,981,431
DANROTH, ALLAN R.	2,964,619
DASHE, JEREMY A.	2,980,067
DE JEAN DE ST. MARCEL SIMEK-LEMOS, MELISSA DANIELLE	2,980,883
DEAN, ROY L.	2,961,686
DEESE, ANTHONY S.	2,965,018
DINGEMANS, FREDERIC	2,964,924
DOKKEN, JOEL	2,983,135
DORFMAN, DAVID M.	2,981,431
DUHAIME, KEITH M.	2,964,619
DUMONT, GILLES	2,927,970
DUTHIE, JASON	2,980,613
ECKMAN, ROBERT D.	2,982,981
EICHHORN, MARK ANTHONY	2,927,967
EIDSVOLD, KEVIN BRIAN	2,964,801
EMD MILLIPORE CORPORATION	2,983,222
EMORY UNIVERSITY	2,981,431
EVANS, MARK	2,958,470
EXHART ENVIRONMENTAL SYSTEMS, INC.	2,965,007
EXXONMOBIL UPSTREAM RESEARCH COMPANY	2,983,920
FACEBOOK, INC.	2,983,525
FALLBROOK INTELLECTUAL PROPERTY COMPANY, LLC	2,983,530
FANCHER, ROBERT	2,983,352
FANG, MIN	2,964,656
FARRELL, SOLIMAR J.	2,927,967
FATTAH, IHAB ABDEL	2,980,782
FESTO AG & CO. KG	2,964,894
FETSO AG & CO. KG	2,964,899
FETSO AG & CO. KG	2,964,903
FLOW INTERNATIONAL CORPORATION	2,964,750
FORSTALL, SCOTT	2,983,178
FREEMAN, GORDON	2,981,431
FREY, STEVEN	2,980,883
FRIESEN, BYRON J.	2,965,005
GAO, YUYONG	2,950,855
GE LIGHTING SOLUTIONS, LLC	2,964,650
GENERAL ELECTRIC COMPANY	2,964,136
GENERAL ELECTRIC COMPANY	2,964,656
GENERAL ELECTRIC COMPANY	2,964,715
GENERAL RECYCLED	2,964,708
GERAGHTY, BENJAMIN J.	2,964,945
GERMANIC MFG. LTD.	2,927,893
GIERDEN, MARCO	2,964,894
GILLEN, ROBERT J.	2,962,817
GIROUX, RICHARD LEE	2,980,613
GITTERE, CLIFF	2,981,471
GLENN, GEORGE	2,981,441
GOODRICH CORPORATION	2,983,347
GUILDLINE INSTRUMENTS LIMITED	2,958,470
GUISE, DARCY G.	2,927,789
HAMIK, REINHOLD	2,964,899
HAMILTON SUNDSTRAND CORPORATION	2,964,612
HAMILTON SUNDSTRAND CORPORATION	2,964,613
HAMILTON SUNDSTRAND CORPORATION	2,964,987
HAMILTON SUNDSTRAND CORPORATION	2,964,989
HAMILTON SUNDSTRAND CORPORATION	2,964,992
HAMILTON SUNDSTRAND CORPORATION	2,964,994
HAMILTON SUNDSTRAND CORPORATION	2,965,020
HARDING, WESTON F.	2,983,535
HARTRAMPH, RALF	2,964,894
HARTRAMPH, RALF	2,964,899
HARTRAMPH, RALF	2,964,903
HARVEST INTERNATIONAL, INC.	2,965,005
HASHISH, MOHAMED A.	2,964,750
HASSANEIN, WALEED	2,980,782
HAVENER, ROBERT	2,980,782
HEART-FAB LTD.	2,927,893
HEATON, TIMOTHY H.	2,982,084
HELGESEN, JOHN	2,983,352
HIGHLINE MANUFACTURING LTD.	2,983,135
HIMMELFARB, MICHAEL	2,965,056
HIPSKY, HAROLD W.	2,964,987
HIPSKY, HAROLD W.	2,965,020
HOFER, GILBERT	2,927,893
HOFFMAN, MICHAEL	2,965,018
HOFMANN, CHRIS	2,964,903
HOLCEK, RONALD GERRY	2,927,967
HONEYWELL INTERNATIONAL INC.	2,981,471
HU, SONGZHOU	2,977,184
HULSE, RYAN	2,981,471
HUSQVARNA AB	2,983,352
HYDRA HEATING INDUSTRIES, LLC	2,965,018
HYDRO-QUEBEC	2,928,121
ILLINOIS TOOL WORKS INC.	2,982,016
INTENSE LIGHTING, LLC	2,964,801
INTERNATIONAL AIDS VACCINE INITIATIVE	2,980,883

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

ISAACSON, RAY S. 2,983,535
JAFFREY, IAN 2,980,613
JANTSCH, MICHAEL 2,964,894
JANTSCH, MICHAEL 2,964,903
JAY, JON R. 2,980,067
JENKINS, JONATHAN A. 2,979,622
JIANG, SHENG 2,964,656
JOEL, KEVIN 2,977,206
JOHNSON, TIM 2,965,068
JUDKINS, BROCK A. 2,980,067
KAMINSKY, STEPHEN 2,980,883
KASPER, DAVID 2,964,708
KAUFMAN, DONALD L. 2,980,067
KAZALA, RICHARD MARVIN, JR. 2,980,359
KCI LICENSING, INC. 2,980,359
KHAYAL, TAMER 2,980,782
KIDWAI, TAUSEEF 2,980,067
KOFF, WAYNE 2,980,883
KONDRA, GENE 2,983,135
KYI, STANLEY 2,980,782
LALJI, ALKARIM 2,964,936
LAMBERT, MATTHEW M. 2,983,352
LANDWEHR, SEAN E. 2,964,836
LANGLOIS, ROBERT 2,983,222
LEBLANC, RICHARD J. 2,979,772
LEE, WILLIAM EDWARD 2,964,836
LEMAY, STEPHEN O. 2,983,178
LENNINGS, ERIC 2,983,352
LI, YON 2,964,656
LIN, YUNG-CHUN 2,980,067
LITTLE, DENNIS CHARLES 2,965,057
LOHR, CHARLES B. 2,983,530
LONG, JUSTIN ALEXANDER 2,980,359
LONG, QI 2,964,656
LUCE, WILLIAM E. 2,983,347
LUND, MICHAEL 2,980,607
LUTNICK, HOWARD W. 2,982,084
MAGNA INTERNATIONAL INC. 2,963,660
MAKI, ERIC 2,981,441
MANHIRE, JEFFREY B. 2,963,660
MART, CHARLES J. 2,983,920
MARTEL, JEFFREY EVAN 2,964,750
MATAS, MICHAEL 2,983,525
MATHIS, JIM 2,961,686
MATTHEWS, MARTIN R. 2,963,660
MCKINNON, AUSTIN JASON 2,983,535
MEGTEC SYSTEMS, INC. 2,981,441
MENARD, PATRICK 2,964,924
MITCHAM, JENNIFER 2,980,883
MO, T.W. 2,982,981
MOK, ANDY 2,944,077
MORPHO DETECTION, LLC 2,964,147
MOYLE, MATTHEW 2,980,883
MULDOON, JOSEPH 2,983,222
N-SOLV CORPORATION 2,927,967
NASIRI, NASRIN AL 2,964,836
NCS MULTISTAGE INC. 2,965,068
NENNIGER, JOHN 2,927,967
NEUDORF, BLAKE 2,983,135
NORTH AMERICAN PIPE CORPORATION 2,961,686
NORTHROP, PAUL SCOTT 2,983,920
OBERMEYER, HENRY K. 2,982,981
OLSEN, OLE 2,980,883
ORDING, BAS 2,983,178
ORKISZEWSKI, CHARLES STANLEY 2,964,136
PAN, ZHONGGUANG 2,950,855
PAONESSA, MARTIN R. 2,981,471
PAPADIMITRIOU, STYLIANOS 2,964,243
PAPADIMITRIOU, WANDA 2,964,243
PARKER, EDWARD (TED) 2,964,708
PEEBLES, BRIAN 2,964,924
PERRAS, ANDRE 2,958,470
PHAM, HANG T. 2,981,471
PHOGAT, SANJAY K. 2,980,883
POHL, BRAD P. 2,983,530
POIGNARD, PASCAL RAYMOND GEORGES 2,980,883
POVINELLI, ANTHONY J. 2,963,660
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 2,981,431
PURE DRAGON ENVIRONMENTAL LTD. 2,964,619
PURKIS, DANIEL 2,980,613
QIN, SHUYI 2,964,656
RAMAIAH, RAGHU 2,964,656
RAVENSBERGEN, JOHN 2,965,068
ROLLS-ROYCE CORPORATION 2,964,836
ROLLS-ROYCE PLC 2,964,836
ROSCA, JUSTINIAN 2,979,772
ROTHE, SVEN 2,964,894
ROTHE, SVEN 2,964,903
ROUSH, MIKE 2,962,817
ROVALMA, S.A. 2,981,388
RUPPERT, BENJAMIN R. 2,963,660
SALEH, HESHAM 2,980,782
SASTRY, CHELLURY R. 2,979,772
SCHECHTER, DAVE 2,983,856
SCHIEFER, MATTHEW 2,983,500
SCHUCK, PAUL E. 2,965,011
SHAH, MILIN 2,962,817
SHARPE, ARLENE 2,981,431
SHARPE, RAYMOND P., JR. 2,980,067
SHE, XU 2,964,715
SHOPSOWITZ, NOAH 2,964,933
SIEMENS AKTIENGESELLSCHAFT 2,964,894
SIEMENS AKTIENGESELLSCHAFT 2,964,899
SIEMENS AKTIENGESELLSCHAFT 2,964,903
SIEMENS CORPORATION 2,979,772
SIEMENS INDUSTRY, INC. 2,979,772
SINGH, RAJIV RATNA 2,981,471
SIVINSKI, JEFFREY ALAN 2,965,005
SMARTBOTHUB LLC 2,964,936
SOMMERER, TIMOTHY JOHN 2,964,715
SPICER, JONATHAN 2,964,801
SPINDLER, CARSTEN 2,964,894
SPINDLER, CARSTEN 2,964,903
SPREMO, AIDA 2,964,801
STEEN, TOD ROBERT 2,964,136
STONE, NELSON 2,983,856
STOUT, MARTY L. 2,983,535
STUDEBAKER, ROBERT L., JR. 2,965,291
SULLIVAN, JOSEPH D. 2,980,067
SUMMACH, MONTGOMERIE 2,983,135
SUNNYBROOK RESEARCH INSTITUTE 2,964,945
TAN, DANIEL 2,983,500
TARTAN COMPLETION SYSTEMS INC. 2,983,696
TATA COMMUNICATIONS (AMERICA) INC. 2,964,924
TAYLOR, BRETT R. 2,979,622
TENG, YANMEI 2,950,855
THE BRIGHAM AND WOMEN'S HOSPITAL, INC. 2,981,431
THE SCRIPPS RESEARCH INSTITUTE 2,980,883
THERACLONE SCIENCES, INC. 2,980,883
THOMASSY, FERNAND A. 2,983,530
TIMMONS, RICHARD 2,958,470
TQ DELTA, LLC 2,980,607
TRACHTENBERG, JON 2,980,782
TRANSMEDICS, INC. 2,980,782
TYLER, DUSTIN 2,983,500
TZANNES, MARCOS C. 2,980,607
UNDERCAR EXPRESS, LLC 2,965,011
UNITED PARCEL SERVICE OF AMERICA, INC. 2,962,817
UTI LIMITED PARTNERSHIP 2,965,056
VALLS ANGLES, ISAAC 2,981,388
VAN OS, MARCEL 2,983,178
VEIT, ANDREAS 2,964,894
VEIT, ANDREAS 2,964,899
VEIT, ANDREAS 2,964,903
VENTURA HOLDINGS LTD. 2,928,056
VERMA, SANDEEP 2,927,967
VIDIL, JEAN-CHRISTOPHE 2,964,750
VIGNA, JAMES 2,983,222
VILKOV, ANDREY N. 2,964,147
VITAWORKS IP, LLC 2,977,184
WALKER, LAURA MARJORIE 2,980,883
WALKIN, BRANDON MARSHALL 2,983,525
WANG, SHUPING 2,965,018
WANG, WEI 2,964,650
WEAGLE, GLENN E. 2,964,619
WEATHERFORD TECHNOLOGY HOLDINGS, LLC 2,980,613
WEBB, GARTH T. 2,928,056
WEILAND, THOMAS J. 2,980,067
WEISER, MARGARET 2,965,007
WEISER, MICHAEL 2,965,007
WELLS, ANDREW A. 2,964,936
WHERRY, E. JOHN 2,981,431
WILKES, ROBERT PEYTON 2,980,359
WONG, JOSHUA KWAN HO 2,964,695
YANG, SICHENG 2,950,855
ZAGHIB, KARIM 2,928,121
ZHANG, CHENGUANG 2,964,650
ZHU, MEIXIU 2,964,650
ZITO, ARTHUR J., JR. 2,983,726